

QY 301 TATGAGATGTGGCGCACTACCTTTCTTGTTCGGGGCCGGTGGCTGTACTTCAAGACG 360

Db 310 TATGAGATGTGGCGCACTACCTTTCTTGTTCGGGGCCGGTGGCTGTACTTCAAGACG 369

QY 361 GCCCTCTTTGAGACCGTGTGCTTGGCTTCCATCTCTCAGCATCAACCGTCAGCGTGGAG 420

Db 370 GCCCTCTTTGAGACCGTGTGCTTGGCTTCCATCTCTCAGCATCAACCGTCAGCGTGGAG 429

QY 421 CGTACGTGGCCATCTCAGACCGTTCGGCGCCAACTGACAGACACCGCGCGCGGCC 480

Db 430 CGTACGTGGCCATCTCAGACCGTTCGGCGCCAACTGACAGACACCGCGCGCGGCC 489

QY 481 CTCAGATCTCGGCATCGTCTGGGGCTTCTCCGTGCTCTTCTCCCTGCCCAACACGAGC 540

Db 490 CTCAGATCTCGGCATCGTCTGGGGCTTCTCCGTGCTCTTCTCCCTGCCCAACACGAGC 549

QY 541 ATCCATGGCATCAAGTTCACCTACTTCCCAATGGGTCCTGGTCCAGGTTCCGCGCAC 600

Db 550 ATCCATGGCATCAAGTTCACCTACTTCCCAATGGGTCCTGGTCCAGGTTCCGCGCAC 609

QY 601 TGTACGTCATCAAGCCCATGTGATCTCAATTTCAATTCATCCAGGTCACCTCTTCTTA 660

Db 610 TGTACGTCATCAAGCCCATGTGATCTCAATTTCAATTTCAATTCATCCAGGTCACCTCTTCTTA 669

QY 661 TTCTACCTCTCCCATGACATGTCATCAGTGTCTCTACTACTACCTCATGGCACTCAGAGTG 720

Db 670 TTCTACCTCTCCCATGACATGTCATCAGTGTCTCTACTACTACCTCATGGCACTCAGAGTA 729

QY 721 A 721

Db 730 A 730

RESULT 2

US-09-668-680-12

; Sequence 12, Application US/09668680

; Patent No. 6436703

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Zhou, Ping

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Wang, Jian-Rui

; APPLICANT: Xue, Aidong J.

; APPLICANT: Xu, Chongjun

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: Polydeoxynucleic Acids and

; FILE REFERENCE: 790CIP2A

; CURRENT APPLICATION NUMBER: US/09/668,680

; CURRENT FILING DATE: 2000-09-22

; PRIOR APPLICATION NUMBER: 09/649,167

; PRIOR FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: 09/540,217

; PRIOR FILING DATE: 2000-03-31

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: pt_FL_genes Version 2.0

; SEQ ID NO 12

; LENGTH: 1535

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(1338)

US-09-668-680-12

Query Match 38.7%; Score 282.4; DB 4; Length 1535;

Best Local Similarity 66.0%; Pred. No. 1.5e-53;

Mismatches 211; Indels 0; Gaps 0;

QY 103 GGACCTCGGCGCAGCCATCTTCTCCCGTGTGTGGTGTATGTGCCAATTTTGTG 162

Db 214 GGGCCCCAGCAGACAGAGCTGTTCATGCCATCTGTGCCACATACCTCTGATCTTCGTG 273

QY 163 GTGGGGTCATTTGGCAATGTCTCTGTGTCTGTGGTGTATTTGACAGCAGCGCTATGAAG 222

Db 274 GTGGGGTCGTGGGCAATGGGCTGACCTGTCTGGTCACTCTCCGCCCAAGGCCATGGCG 333

QY 223 AGCCCCACCAACTACTACCTCTTACGCTGGGGTCTCTGACCTCTCTGGTCTCTGCTCTTC 282

Db 334 AGCCCTACCAACTACTACCTCTTACGCTGGGGTCTCTGACCTCTCTGGTCTCTGCTCTTC 393

QY 283 GGAATGCCCTGGAGGTCTATGAGATGTGGGCGCACTACCTTTCTTGTTCGGGCGCGTG 342

Db 394 GGCCTGCCCTGGAGCTCTATGAGATGTGGCAAACTACCTCTCTCTGCTGGGCGTTCGT 453

QY 343 GGTCTGTACTCAAGACGGCCCTCTTTGAGACCGGTGTCTGCGCTCCATCTCTCAGCATC 402

Db 454 GGTCTGTATTTCCGACGCTACTGTTGAGATGGTCTGCTGGCTCAGTGTCTAACGTC 513

QY 403 ACCACCGTCAGCGTGGAGCGCTACGTCGCACTCTACACCGCTTCCGGGCGCAAACTGCAG 462

Db 514 ACTGCCCTGAGCGTGGAGCGCTATGTGGCGGTGTGACCCACTCCAGGCCAGGTCCATG 573

QY 463 AGACCCCGCGCGCGCCCTCAGATCTCTGGCATGCTCTGGGGCTTCTCCGTGCTCTTC 522

Db 574 GTGACCGCGCGCCATGTGGCGGAGTGTCTGGGGCGGTCTGGGGTCTTGGCCATGCTCTGC 633

QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCACCTACTTCCCAATGGGTCCTG 582

Db 634 TCCCTGCCCAACACAGCATCCAGCGCTGACGGCATCCGCGAGCTGACGTCCTGCGGGGCCA 693

QY 583 GTCCAGGTTCCGCGCACCTGTACGTCATCAAGCCCATGTGGATCTACAATTTCACTATC 642

Db 694 GTGCCAGACTCAGCTGTTTGCATGTGTGTCGCCGCCACGGGCCCTCTACAACATGTAGTG 753

QY 643 CAGGTCACTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 702

Db 754 CAGACCCCGCGCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 813

QY 703 CTCATGGCACTCAGAGTGAG 722

Db 814 CTCATGGGCTCGCACTGCG 833

RESULT 3

US-09-170-496D-113

; Sequence 113, Application US/09170496D

; Patent No. 6555339

; GENERAL INFORMATION:

; APPLICANT: Behan, Dominic P.

; APPLICANT: Chalmers, Derek T.

; APPLICANT: Liaw, Chen W.

; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-

; TITLE OF INVENTION: Receptors

; FILE REFERENCE: AREN-0040

; CURRENT APPLICATION NUMBER: US/09/170,496D

; CURRENT FILING DATE: 1998-10-13

; NUMBER OF SEQ ID NOS: 294

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 113

; LENGTH: 1212

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-170-496D-113

Query Match 38.5%; Score 280.8; DB 4; Length 1212;

Best Local Similarity 65.8%; Pred. No. 3.2e-53;

Mismatches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 103 GGACCTCGGCGCAGCCACCTTCTTCTCCCGTGTGTGGTGTATGTGCCAATTTTGTG 162

Db 88 GGGCCCCAGCAGACAGAGCTGTTCATGCCATCTGTGCCACATACCTGTGATCTTCGTG 147

QY 163 GTGGGGTCATTTGGCAATGTCTCTGTGTGCTTCTGCTGGTGTATTCGACGACCGCTATGAAG 222

148 GTGGCGCTGTGGCAATAGGGCTACCTGTCTGTGTCATCTCTGCGCCACAAGGCCATCGC 207
223 AGCCCCCACTACTACTCTTACGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 282
208 AGGCTACCAACTACTACTCTTACGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 267
283 GGAATGCCCTGGAGGTCTATGAGATGGGCGCAACTACCTCTTCTGTTGGGCGCGTG 342
268 GGCTGCTATTTCCGCAAGCTACTGTTTGGATGGTCTGCTGCTGCTGCTGCTGCTGCTG 327
343 GGCTGCTACTTCAAGACGGCCCTCTTGGAGACCGTGTGCTGCTGCTGCTGCTGCTGCTG 402
268 GGCTGCTATTTCCGCAAGCTACTGTTTGGATGGTCTGCTGCTGCTGCTGCTGCTGCTG 387
343 GGCTGCTACTTCAAGACGGCCCTCTTGGAGACCGTGTGCTGCTGCTGCTGCTGCTGCTG 402
403 ACCACCGTCAAGGTGGAGGTCTATGAGATGGGCGCAACTACCTCTTCTGTTGGGCGTG 462
328 GGCTGCTATTTCCGCAAGCTACTGTTTGGATGGTCTGCTGCTGCTGCTGCTGCTGCTG 387
403 ACCACCGTCAAGGTGGAGGTCTATGAGATGGGCGCAACTACCTCTTCTGTTGGGCGTG 462
388 ACTGCCCTGAGCGTGGAAACGCTATGTCGCGGCTGTCGCGGCTGTCGCGGCTGTCGCG 447
463 AGCACCGGCGCGCGCCCTCAGGATCTCGGATCTGCTGCTGCTGCTGCTGCTGCTGCTG 522
448 GTGACCGGGCCCATGTGGCGAGTGTGTTGGGCGGCTGTCGCGGCTGTCGCGGCTGTCG 507
523 TCCTGCGCCCAACACGAGCATCATGGATCAAGTTCCTGCTGCTGCTGCTGCTGCTGCTG 582
508 TCCTGCGCCCAACACGAGCTGTCGCGGCTGTCGCGGCTGTCGCGGCTGTCGCGGCTGTC 567
583 GTCCAGGTTCGGGCACTGACGTGTCATGAGCCCATGTCGAGTCACTCAATTTCAATC 642
568 GTCCAGGTTCGGGCACTGACGTGTCATGAGCCCATGTCGAGTCACTCAATTTCAATC 627
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
628 CAGACCGCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 687
703 CTCATGGCACTCAGAGTGAG 722
688 CTCATGGGCTGCGACTGCG 707

RESULT 4
US-09-170-496D-223
; Sequence 223, Application US/09170496D
; Patent No. 655339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 655339-Endogenous, Constitutively Activated Human G Protein-
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 223
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-223

Query Match 38.5%; Score 280.8; DB 4; Length 1212;
Best Local Similarity 65.8%; Pred. No. 3.2e-53;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;
103 GGACCTGGGCGAGCCACTTCTTCTCCCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 162
88 GGCGCCGAGCAGACAGAGCTGTTCATGCCCATCTGTGCGACATACCTGCTGATCTCGTG 147
163 GTGGGGTCAATTGGCAATGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 222
148 GTGGGCGCTGTGGGCAATGGGCTGACCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 207

223 AGCCCAACCACTACTACTCTTACGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTT 282
208 AGGCTACCAACTACTACTCTTACGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 267
283 GGAATGCCCTGGAGGTCTATGAGATGGGCGCAACTACCTCTTCTGTTGGGCGCGTG 342
268 GGCTGCTATTTCCGCAAGCTACTGTTTGGATGGTCTGCTGCTGCTGCTGCTGCTGCTG 327
343 GGCTGCTACTTCAAGACGGCCCTCTTGGAGACCGTGTGCTGCTGCTGCTGCTGCTGCTG 402
328 GGCTGCTATTTCCGCAAGCTACTGTTTGGATGGTCTGCTGCTGCTGCTGCTGCTGCTG 387
403 ACCACCGTCAAGGTGGAGGTCTATGAGATGGGCGCAACTACCTCTTCTGTTGGGCGTG 462
388 ACTGCCCTGAGCGTGGAAACGCTATGTCGCGGCTGTCGCGGCTGTCGCGGCTGTCGCG 447
463 AGCACCGGCGCGCGCCCTCAGGATCTCGGATCTGCTGCTGCTGCTGCTGCTGCTGCTG 522
448 GTGACCGGGCCCATGTGGCGAGTGTGTTGGGCGGCTGTCGCGGCTGTCGCGGCTGTCG 507
523 TCCTGCGCCCAACACGAGCATCATGGATCAAGTTCCTGCTGCTGCTGCTGCTGCTGCTG 582
508 TCCTGCGCCCAACACGAGCTGTCGCGGCTGTCGCGGCTGTCGCGGCTGTCGCGGCTGTC 567
583 GTCCAGGTTCGGGCACTGACGTGTCATGAGCCCATGTCGAGTCACTCAATTTCAATC 642
568 GTCCAGGTTCGGGCACTGACGTGTCATGAGCCCATGTCGAGTCACTCAATTTCAATC 627
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
628 CAGACCGCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 687
703 CTCATGGCACTCAGAGTGAG 722
688 CTCATGGGCTGCGACTGCG 707

RESULT 5
US-09-016-434-1346
; Sequence 1346, Application US/09016434
; Patent No. 650938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555

Db 599 GGTGGCTCTGACTGCTCACGGTCATGGTGGGTGTCAGCATCTTCTTCTTCTTCC 658
Qy 672 CCCCATGACTGTCA 685
Db 659 TGTCTTCTGTCTCA 672

RESULT 7
US-09-077-674-6
; Sequence 6, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Peigner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberator, Paul A.
; APPLICANT: Schaeffer, James M.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,674
; FILING DATE: 3-JUN-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1088 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-077-674-6

Query Match 16.5%; Score 120.4; DB 4; Length 1088;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;
Qy 132 CGTGTCTGTGGTATGTGCAATTTTGTGGTGGGGTCAATGGCAATGTCCTGGTGTG 191
Db 122 CGTCACAGCACCTGGTGGCACTCTTCGTGGTGGGTATCGTGGCAACCTCTCACCAT 181
Qy 192 CTGGTGTATCTTCAGACACAGAGCTATGAGAGCGCCACCACTACTACTCTTACGCT 251
Db 182 GCTGGTGGTTCGGCTTCGGAGCTGGCGACACCAACCACTACTCTTCCAGCAT 241
Qy 252 GCGGCTCTGACTCTCTGCTCTCTCTTGAATGCCCTCGAGGTCTAGATGTG 311
Db 242 GGCCTTCTCCGAT---CTGCTCATCTTCTCTGTCATGCCCTGGACCTCGTTCGCTCTG 298

Qy 312 GCGCAACTACCTTTCTTGTGGGCCCCGTGGGCTCTACTTCAAGACGGCCCTCTTTGA 371
Db 299 GCAGTACCGGCCCTGGAACTTCGGCCACCTCTCTGCAAACTCTTCCAATTCGTCAGTGA 358
Qy 372 GACGGTGTGCTTCGCTCCATCCTCAGCATCACCAACCGTCAGCGTGGAGCGTACGTGGC 431
Db 359 GAGCTGCACCTACGCCACGGTCTCACCATCACAGCGTGGAGCTCGAGCGTACTTCGC 418
Qy 432 CATCTACACCCGTTCCGGCCCAAACTGCAGAGCACCCGGCGCGGGCCCTCAGGATCCT 491
Db 419 CATCTGCTTCCACTCGGGCCAGGTGGTGCACCAAGGGCGGGTGAAGTGTCTCAT 478
Qy 492 CGGCATGCTCGGGGCTTCCCGTGTCTTCTCCCTGCCCAACACAGCATCCATGGCAT 551
Db 479 CTTGCTCATCTGGCGCTGGCCCTTTCGACGCGCGGGCCCATCTTCTGTCTAGTCGGGT 538
Qy 552 CAAGTTCCACTACTTCCCAATGGTCCCTGGTCCAGGTTCCGACACCTGTACGGTTCAT 611
Db 539 GGAGCACGAGACGGCACCGACCTTTGGGACACCAACGAGTGGCGGCCACCGAGTTGC 598
Qy 612 CAAGCCCATGTGGATCTACAAATTCATCATCCAGGTCACCTCCTTCTTCTTCTACCTCT 671
Db 599 GTTGGCTCTGGACTGCTCAGGTCAATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 658
Qy 672 CCCCATGACTGTCA 685
Db 659 TGTCTTCTGTCTCA 672

RESULT 8
US-09-016-434-1148
; Sequence 1148, Application US/09016434
; Patent No. 8500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1101 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g1504140
US-09-016-434-1148

Query Match 16.5%; Score 120.4; DB 4; Length 1101;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;

QY 132 CQTGCTCTGTGTATGTCGCAATTTTGTGGTGGGGTCAATTGGCAATGTCCTGGTGTG 191
Db 135 CQTACAGCCACCTGCGTGGGACTCTTCTGGTGGGTATCGTGGCACTGCTCACCAT 194

QY 192 CQTGCTGTGTATGTCGAGCAGGCTATGAAGCGCCCAACCACTACTACTCTTTCAGCCT 251
Db 195 GCTGTGGTGTGCGCTTCGCGAGCTGGGACACCACTTCTACCTGCTGTCAGCAT 254

QY 252 GCGGCTCTGTACCTTCCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311
Db 255 GCGCTTCTCCGAT---CTGCTCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311

QY 312 GCGCACTACCTTCTTCTTCTGCGGCGTGGGCTGCTTCAAGAGCGGCCCTCTTTGA 371
Db 312 GAGTACCGGCCCTGGAATTCGGGACTCTGCGGACTCTCTCTGCAACTCTTCCAAATTCGTCAGTGA 371

QY 372 GACCGTGTCTTCTGCGCTCCATCTCAGCATCACCACTGCTGAGCTGGAGCGCTACGTGGC 431
Db 372 GAGTGCACCTACGCGACGGTCTCACCATCACAGGCTGAGCGTGGAGCGCTACTTGGC 431

QY 432 CATCTACACCGCTTCCGCGCCAACTGAGAGCACCGCGCGCGGCCCTCAGGATCCT 491
Db 432 CATCTGCTTCCCACTCCGCGCCAACTGAGAGCACCGCGCGGCCCTCAGGATCCT 491

QY 492 CGGCATCTGCTGGGCTTCTCCGCTGCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTG 551
Db 492 CTTCTGCTATCTGGCGCGTGGCTTCTGAGCGCGCGGCCCTTCTGCTGCTGCTGCTGCTG 551

QY 552 CAAGTTCACACTTCTCCCAATGSGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 611
Db 552 GAGCAGCAGAGACGGCAGCCCTTGGGACACCAACAGTGGCGGCCCGCCACCGAGTTTCG 611

QY 612 CAAAGCCATGTGATCAATTTCAATTCATCATCCAGGTCACTCTTCTTCTTCTTCTTCTT 671
Db 612 GGTGGCTCTGAGCTGCTCAGGTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 671

QY 672 CCCCAGTGTCA 685
Db 672 TGTCTTCTGTCTCA 685

RESULT 9
US-09-170-496D-87
; Sequence 87, Application US/09170496D
; Patent No. 655339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 87
; LENGTH: 1101
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-87

Query Match 16.5%; Score 120.4; DB 4; Length 1101;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;

QY 132 CQTGCTCTGTGTATGTCGCAATTTTGTGGTGGGGTCAATTGGCAATGTCCTGGTGTG 191
Db 135 CQTACAGCCACCTGCGTGGGACTCTTCTGGTGGGTATCGTGGCACTGCTCACCAT 194

QY 192 CQTGCTGTGTATGTCGAGCAGGCTATGAAGCGCCCAACCACTACTACTCTTTCAGCCT 251
Db 195 GCTGTGGTGTGCGCTTCGCGAGCTGGGACACCACTTCTACCTGCTGTCAGCAT 254

QY 252 GCGGCTCTGTACCTTCCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311
Db 255 GCGCTTCTCCGAT---CTGCTCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311

QY 312 GCGCACTACCTTCTTCTTCTGCGGCGTGGGCTGCTTCAAGAGCGGCCCTCTTTGA 371
Db 312 GAGTACCGGCCCTGGAATTCGGGACTCTGCGGACTCTCTCTGCAACTCTTCCAAATTCGTCAGTGA 371

QY 372 GACCGTGTCTTCTGCGCTCCATCTCAGCATCACCACTGCTGAGCTGGAGCGCTACGTGGC 431
Db 372 GAGTGCACCTACGCGACGGTCTCACCATCACAGCGCTGAGCGTGGAGCGCTACTTGGC 431

QY 432 CATCTACACCGCTTCCGCGCCAACTGAGAGCACCGCGCGGCCCTCAGGATCCT 491
Db 432 CATCTGCTTCCCACTCCGCGCCAACTGAGAGCACCGCGCGGCCCTCAGGATCCT 491

QY 492 CGGCATCTGCTGGGCTTCTCCGCTGCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTG 551
Db 492 CTTCTGCTATCTGGCGCGTGGCTTCTGAGCGCGCGGCCCTTCTGCTGCTGCTGCTGCTG 551

QY 552 CAAGTTCACACTTCTCCCAATGSGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 611
Db 552 GAGCAGCAGAGACGGCAGCCCTTGGGACACCAACAGTGGCGGCCCGCCACCGAGTTTCG 611

QY 612 CAAAGCCATGTGATCAATTTCAATTCATCATCCAGGTCACTCTTCTTCTTCTTCTT 671
Db 612 GGTGGCTCTGAGCTGCTCAGGTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 671

QY 672 CCCCAGTGTCA 685
Db 672 TGTCTTCTGTCTCA 685

RESULT 9
US-09-170-496D-87
; Sequence 87, Application US/09170496D
; Patent No. 655339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 87
; LENGTH: 1101
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-87

Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;

QY 132 CQTGCTCTGTGTATGTCGCAATTTTGTGGTGGGGTCAATTGGCAATGTCCTGGTGTG 191
Db 135 CQTACAGCCACCTGCGTGGGACTCTTCTGGTGGGTATCGTGGCACTGCTCACCAT 194

QY 192 CQTGCTGTGTATGTCGAGCAGGCTATGAAGCGCCCAACCACTACTACTCTTTCAGCCT 251
Db 195 GCTGTGGTGTGCGCTTCGCGAGCTGGGACACCACTTCTACCTGCTGTCAGCAT 254

QY 252 GCGGCTCTGTACCTTCCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311
Db 255 GCGCTTCTCCGAT---CTGCTCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 311

QY 312 GCGCACTACCTTCTTCTTCTGCGGCGTGGGCTGCTTCAAGAGCGGCCCTCTTTGA 371
Db 312 GAGTACCGGCCCTGGAATTCGGGACTCTGCGGACTCTCTCTGCAACTCTTCCAAATTCGTCAGTGA 371

QY 372 GACCGTGTCTTCTGCGCTCCATCTCAGCATCACCACTGCTGAGCTGGAGCGCTACGTGGC 431
Db 372 GAGTGCACCTACGCGACGGTCTCACCATCACAGGCTGAGCGTGGAGCGCTACTTGGC 431

QY 432 CATCTACACCGCTTCCGCGCCAACTGAGAGCACCGCGCGGCCCTCAGGATCCT 491
Db 432 CATCTGCTTCCCACTCCGCGCCAACTGAGAGCACCGCGCGGCCCTCAGGATCCT 491

QY 492 CGGCATCTGCTGGGCTTCTCCGCTGCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTG 551
Db 492 CTTCTGCTATCTGGCGCGTGGCTTCTGAGCGCGCGGCCCTTCTGCTGCTGCTGCTGCTG 551

QY 552 CAAGTTCACACTTCTCCCAATGSGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 611
Db 552 GAGCAGCAGAGACGGCAGCCCTTGGGACACCAACAGTGGCGGCCCGCCACCGAGTTTCG 611

QY 612 CAAAGCCATGTGATCAATTTCAATTCATCATCCAGGTCACTCTTCTTCTTCTTCTT 671
Db 612 GGTGGCTCTGAGCTGCTCAGGTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 671

QY 672 CCCCAGTGTCA 685
Db 672 TGTCTTCTGTCTCA 685

RESULT 10
US-09-170-496D-209
; Sequence 209, Application US/09170496D
; Patent No. 655339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: No. 655339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 209
; LENGTH: 1101
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-209

Query Match 16.5%; Score 120.4; DB 4; Length 1101;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;

QY 132 CQTGCTCTGTGTATGTCGCAATTTTGTGGTGGGGTCAATTGGCAATGTCCTGGTGTG 191
Db 135 CQTACAGCCACCTGCGTGGGACTCTTCTGGTGGGTATCGTGGCACTGCTCACCAT 194

QY 192 CQTGCTGTGTATGTCGAGCAGGCTATGAAGCGCCCAACCACTACTACTCTTTCAGCCT 251
Db 192 CQTGCTGTGTATGTCGAGCAGGCTATGAAGCGCCCAACCACTACTACTCTTTCAGCCT 251

Db 195 GCTGTGTGTCGGGCTTCGCGAGCTGCGCACCAACCAACCTCTACCTGTCCAGCAT 254
Qy 252 GCGGTCTCTGACCTCTGCTGCTCTCTTGGATGCTGAGTGTCTATGAGATGTG 311
Db 255 GGCCTTCTCCGAT---CTGCTCATCTTCTCTGATGCTGAGCTGCTGCTGCTG 311
Qy 312 GCGCACTACCTCTTCTGTTGCGGCGCTGCTGCTTCAAGACGCGCTCTTTGA 371
Db 312 GCAGTACCGGCTTGGAACTTCGCGACCTCTCTGCAACTCTTCCAAATTCGTCAGTGA 371
Qy 372 GACGCTGTGCTGCTGCTTCCATCTCTGAGATGATGACCAACCAACCAACCTCTACCTGTG 431
Db 372 GAGCTGACCTACGCGACGCTGCTCACCATCACAGCGTGAAGCTGAGCGCTACTTCGC 431
Qy 432 CATCTACACCGCTTCGCGCAACTTCAGAGACACCGGCGCGGCTCTGAGTCTCT 491
Db 432 CATCTGCTTCCACTTCGCGGCAAGTGTGCTCACCAGGCGGCGGCTGAGTGTGTCAT 491
Qy 492 CGGATGCTGTGCGCTTCTGCTGCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 551
Db 492 CTTCGTCATCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 551
Qy 552 CAAGTTCACACTCTTCCCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 611
Db 552 GGAGACGAGAACGCGACCGCTTGGACACCAACGAGTGGCGGCGGCTGCTGCTGCTGCT 611
Qy 612 CAAGCCATGAGTACTCAATTTCAATTCATGCTGCTGCTGCTGCTGCTGCTGCTGCT 671
Db 612 GGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 671
Qy 672 CCCATGACTGTCA 685
Db 672 TGTCTTCTGTCTCA 685

RESULT 11

US-09-077-675A-9
; Sequence 9, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19590P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273

TELEFAX: 732-594-4720
TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1122 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-077-675A-9

Query Match 16.5%; Score 120.4; DB 3; Length 1122;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;

Qy 132 CGTGCTGTGCTGATGTGCAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 191
Db 387 CGTCAAGCCACTCGGTGGCACTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 446
Qy 192 CTTGCTGATTTGTCAGCACCAAGCTTATGAAGACGCGCCCACTACTACTCTTCTGAGCT 251
Db 447 GCTGCTGCTGCTGCTGCTTCCGCGAGCTGCGCACCAACCAACCTCTACTCTGCTGCTG 506
Qy 252 GCGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 311
Db 507 GCGCTTCTCCGAT---CTGCTCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 563
Qy 312 GCGCACTACCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 371
Db 564 GCAGTACCGGCTTGGAACTTCGCGACCTCTCTGCAAACTCTTCCAAATTCGTGCTGCTG 623
Qy 372 GACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 431
Db 624 GAGCTGACCTAGCACCGTGTCTACCATCACAGGCTGAGCTGAGCTGAGCTGAGCTGAGCT 683
Qy 432 CATCTACACCGCTTTCGCGCAAACTGTCAGAGCACCGGCGGCGGCGGCTTCTGAGTCTCT 491
Db 684 CATCTGCTTCCCACTTCGCGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 743
Qy 492 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 551
Db 744 CTTGCTCATCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 803
Qy 552 CAAGTTCACACTTCTTCCCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 611
Db 804 GGAGCACGAGAACGCGACCGCTTGGACACCAACGAGTGGCGGCGGCTGCTGCTGCTGCT 863
Qy 612 CAAAGCCATGCTGATCTACAATTTCAATTCAGAGTCACTCTCTCTCTCTCTCTCTCTCTCT 671
Db 864 GGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 923
Qy 672 CCCATGACTGTCA 685
Db 924 TGTCTTCTGTCTCA 937

RESULT 12

US-09-077-674-9
; Sequence 9, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Feighner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberstor, Paul A.
; APPLICANT: Schaeffer, James M.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.

```

CITY: Railway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,674
FILING DATE: 3-JUN-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19589P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1122 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-077-674-9

Query Match 16.5%; Score 120.4; DB 4; Length 1122;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 281; Indels 3; Gaps 1;

QY 132 CGTGTCTGTGTGTATGTCACAAATTTTGTGTGGGGTTCATGGCAATGCTCTGTGTG 191
DB 387 CGTCACAGCCACCTGCGTGGCACTTCTGTGTGGTATCGTGGCAACCTGCTCACCAT 446
QY 192 CTTGGTATTCGAGCAGCAGGCTATGAGACGCCACCACTACTACTCTTTCAGCCT 251
DB 447 GCTGTGTGTGTGGGCTTCCGCGAGCTGGCAGCACCACCACTTACCTGTCCAGCAT 506
QY 252 GCGGTCTCTACCTCTGTCCTGCTTGTGGTATGCTTCAAGACGGCCCTCTTTGA 311
DB 507 GGCCTTCTCCGAT---CTGCTCATCTTCTCTGATGCCCCCTGGACCTGTTCCCTCTG 563
QY 312 GCGCAACTTACCTTCTTGTTCGGGCGCGTGGGTGCTTCTCAAGACGGCCCTCTTTGA 371
DB 564 GCAGTACCGGCGCTGGAACTTGGCGGACTCTCTGCAAACTCTTCCAAATGCTCAGTGA 623
QY 372 GACCGTGTGCTTGGCTTCCATCTCCTAGCATCACCACCGTCAAGCTGAGCGCTACGTGGC 431
DB 624 GAGCTGCACCTACGCGACGGTGTCTCACCATCAGAGCGTGAAGCGTCAAGCGCTACTTCGC 683
QY 432 CATCTACACCGTTCGCGGCAACTGCAGACACCGCGCGCGGCGCCCTCAGGATCCT 491
DB 684 CATCTGCTTCCACTCCGCGGCAAGGTGTGTGTGTCACCAAGGGGCGGTGAAGTGGTCA 743
QY 492 CGGCATCTGTGGGCTTCTCGTCTCTTCTCTGCTGCTTCTTCAAGACGATCCATGGCAT 551
DB 744 CTTCTGCTATCTGGGCGGTGGCTTCTGAGCGCGGGGCCATCTTCTGTGTAGTCGGGT 803
QY 552 CAAGTTCCACTACTTCCCAATGGGTCTCTGTCCTCCAGGTTCCGCCACCTGTACGGTCA 611
DB 804 GGAGCAGAGAACGCGACCGCCCTTGGACACCAACGAGTGGCGCGCCACCGAGTTGC 863
QY 612 CAAGCCCATGTGGATCTCAATTCATCATCAGGTACCTCTCTCTTCTTCTACCTCTCT 671
DB 864 GGTGGGCTCTGAGCTGCTCAGCGTCAATGTGTGTGGTGTCCAGCATCTTCTTCTCTCTCC 923
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QY 672 CCCCATGACTGTCA 685
DB 924 TGTCTTCTGTCTCA 937

RESULT 13
US-09-077-675A-1
; Sequence 1, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19590P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1063 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-077-675A-1
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Query Match 15.6%; Score 114; DB 3; Length 1063;
Best Local Similarity 52.2%; Pred. No. 1.5e-16;
Matches 302; Conservative 0; Mismatches 270; Indels 6; Gaps 2;

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DB 97 CGTCACCGCCACCTGGTGGCGCTCTTGTGTGGTATCGCGGGCAACCTGCTCAGCAT 156
QY 192 CTTGTGTGATTCGACGACACAGGCTATGAAGACGCCCAACCACTACTACTCTTTCAGCCT 251
DB 157 GCTGTGTAGTGTACGCTTCCGCGAGATGGCAGCACCACCACTTACTCTGTCAGCAT 216
QY 252 GCGGTCTCTGACCTCTGCTGCTCTTGTGGATGCCCCGAGGCTTATGATGTG 311
DB 217 GGCCTTCTCCGACCTAC---TCATCTTCTCTGATGCCCTTCGACCTTTCGCGCTCTG 273
QY 312 GCGCAACTACCTTCTTGTTCGGGCGCGTGGTGTCTACTTCAAGACGGCCCTCTTTGA 371
DB 274 GCAGTACCGGCTTGGAACTTGGCAACCTGCTCTGCAAACTCTTCCAGTTCTTAGCA 333
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QY 372 GACGCTGTGCTTCCGCTCCATCCCTCAGCATCACACCGTGTGCTGAGCGCTACGTGGC 431
Db 334 GAGTGTGACCTACGCCACAGTGTCTCAGCATCACCGCTGTGAGCGCTACGTGGC 393
QY 432 CATCTACACCGCTTCCGCGCAACTGCAGACACCGCGCGCCCTCAGATCCT 491
Db 394 CATCTGTCCGCTGTGCGGCAAGGTAGTGTTCACCAAGGCGCGGTAAAGCTGTGTAT 453
QY 492 CGGCATGCTGTGGGCTTCTCCGCTGCTTCTCTCCCTGCTCCCAACACAGCATCCATGGCAT 551
Db 454 CTGTGTATCTGTGGCGGTGCTTCTGTGAGCGCGCGGCCCATCTTGTGTGTGGAGT 513
QY 552 CAAGTTCACCTACTTCCCAATGGGTCCCTGTGTCAGGTTCCGCCACCTGTAGCGTAT 611
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Db 574 CGTGGCTTCCGCGGTGTCTTACCGTGTGCTGTGCTGTGCTGTGCTGTCTTCTCT 630
QY 672 CCCCATGACTGTACAGTGTCTTACTACTACTACTACTCTATGG 709
Db 631 GCCTGTCTTGTGCTTCACTGTGCTCTATAGCCTCATCG 668

RESULT 14

US-09-077-674-1
; Sequence 1, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Feighner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberator, Paul A.
; APPLICANT: Schaeffer, James M.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,674
; FILING DATE: 3-JUN-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1063 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

US-09-077-674-1

Query Match 15.6%; Score 114; DB 4; Length 1063;
Best Local Similarity 52.2%; Pred. No. 1.5e-16;
Matches 302; Conservative 0; Mismatches 270; Indels 6; Gaps 2;
QY 132 CGTGTCTGTGTGTATGTGCAATTTTTGTGTGTGGGTTCATGTGCAATGTCTGTGTG 191
Db 97 CGTACCGGCACCTCGTGGCTCTTCTGTGTGGGTATCGCGGCAACCTGCTCAGCAT 156
QY 192 CTGTGTGATTTGCGAGCACCGCTATGAAGACGCGCCACCACTACTACTCTTTCAGCT 251
Db 157 GT 216
QY 252 GCGGTGTCTGTGACCTCTGT 311
Db 217 GCGCTTCTCGACCTAC---TCATCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 273
QY 312 GCGCACTACCTTCTTCTGT 371
Db 274 GCAGTACCGGCTTGGCACTTGGCACTTGGCACTTGGCACTTGGCACTTGGCACTTGGCA 333
QY 372 GACGCTGTGCTTCCGCTCCATCCCTCAGCATCACACCGTGTGAGCGCTACGTGGC 431
Db 334 GAGTGTGACCTACGCCACAGTGTCTCAGCATCACCGCTGTGAGCGCTACGTGGC 393
QY 432 CATCTACACCGCTTCCGCGCAACTGCAGACACCGCGCGCCCTCAGGATCCT 491
Db 394 CATCTGTCTCCGCTGTGCGGCAAGGTAGTGTGTGACCAAGCGCGGTAAAGCTGTGTAT 453
QY 492 CGGCATGCTGTGGGCTTCTCCGCTGCTTCTCTCCCTGCTCCCAACACAGCATCCATGGCAT 551
Db 454 CTGTGTATCTGTGGCGGTGCTTCTGTGAGCGCGCGGCCCATCTTGTGTGTGGAGT 513
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Db 514 GGAGCATGATTAACGCACTGACCCCTCGCGACACCAACGAGTGTGCGCGCAGGTTCGC 573
QY 612 CAAGCCCATGTGATCTACAAATTCATCATCAGGTACCTCCTTCTATTTACCTCCT 671
Db 574 CGTGGCTTCCGCGGTGTCTTACCGTGTGCTGTGCTGTGCTGTGCTGTCTTCTCT 630
QY 672 CCCCATGACTGTACAGTGTCTTACTACTACTACTACTCTATGG 709
Db 631 GCCTGTCTTGTGCTTCACTGTGCTCTATAGCCTCATCG 668

RESULT 15

US-09-077-675A-4
; Sequence 4, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A
; FILING DATE:

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Job time : 84 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 13, 2004, 17:54:23 ; Search time 332 Seconds
(without alignments)
8088.459 Million cell updates/sec

Title: US-09-684-725-1
Perfect score: 729
Sequence: 1 atggaaacttcagaatgc.....cactcagagtgcagatctag 729

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:

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- 2: /cgn2_6/ptodata/1/pubnpa/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubnpa/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubnpa/US06_PUBCOMB.seq.*
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- 6: /cgn2_6/ptodata/1/pubnpa/PCTUS_PUBCOMB.seq.*
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- 9: /cgn2_6/ptodata/1/pubnpa/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubnpa/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubnpa/US09C_PUBCOMB.seq.*
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- 17: /cgn2_6/ptodata/1/pubnpa/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/1/pubnpa/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	717.8	98.5	1239	15	Sequence 17, Appl
3	717.8	98.5	1248	12	Sequence 556, App
4	717.8	98.5	1248	13	Sequence 11, Appl
5	717.8	98.5	1248	13	Sequence 11, Appl
6	282.4	38.7	1349	12	US-10-240-145-96
7	282.4	38.7	1335	12	US-10-240-145-10
8	282.4	38.7	1335	15	US-10-146-419-12
9	282.4	38.7	1335	15	US-10-146-419-12
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39	119.8	16.4	4314	15	US-10-270-333-112
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ALIGNMENTS

RESULT 1

US-09-782-974C-17/c
; Sequence 17, Application US/09782974C
; Publication No. US20030082534A1
; GENERAL INFORMATION:
; APPLICANT: Vogel, Gabriel
; APPLICANT: Lind, Peter
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis A.
; TITLE OF INVENTION: No. US20030082534A1 G Protein Coupled Receptor
; FILE REFERENCE: 411USPHM311
; CURRENT APPLICATION NUMBER: US/09/782,974C
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/165,838
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 09/714,449
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 60/198,568
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,071
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,678
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: 60/173,396
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/184,129
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/185,421
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/185,554
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/186,530
; PRIOR FILING DATE: 2000-03-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 801

The sequence is not present in the prior doc.

APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7.US28.CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/415,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 11
LENGTH: 1248
TYPE: DNA
ORGANISM: Homo sapiens
US-10-417-820A-11

Query Match 98.5%; Score 717.8; DB 12; Length 1248;
Best Local Similarity 99.7%; Pred. No. 5.9e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGGAAGAACTTCAGATGCTCTCGATCTACAGCGAAGTACAGATCCATTCCAG 60
DB 10 ATGGAAGAACTTCAGATGCTCTCGATCTACAGCGAAGTACAGATCCATTCCAG 69
QY 61 AAACACCTGAACAGCAGCAGGAGTATCTGCGCTTCTCTCGGACCTCGGCGAGCCAC 120
DB 70 AAACACCTGAACAGCAGCAGGAGTATCTGCGCTTCTCTCGGACCTCGGCGAGCCAC 129
QY 121 TCTTCTCTCCCGCTCTGTGTGTATGTGCAATTTTGTGGGGGTTCATTGGCAAT 180
DB 130 TCTTCTCTCCCGCTCTGTGTGTATGTGCAATTTTGTGGGGGTTCATTGGCAAT 189
QY 181 GTCTGTGTGTGCTGTGATTCAGACAGCAGGATATGAAGAGCCGACCACTATAC 240
DB 190 GTCTGTGTGTGCTGTGATTCAGACAGCAGGATATGAAGAGCCGACCACTATAC 249
QY 241 CTCTTACGCTGGGGTCTTGACCTCTGTCTGTCTCTTGGATGGCCCTCGAGGTC 300
DB 250 CTCTTACGCTGGGGTCTTGACCTCTGTCTGTCTCTTGGATGGCCCTCGAGGTC 309
QY 301 TATGAGATGTGGCGCAATACCTTTTGTGCGGCGGTGGGTGCTTCTCAAGACG 360
DB 310 TATGAGATGTGGCGCAATACCTTTTGTGCGGCGGTGGGTGCTTCTCAAGACG 369
QY 361 GCCTCTTTGAGACCGGTGTGCTGCTCCATCTCTCAGCATCACACCGTCAGCGTGAG 420
DB 370 GCCTCTTTGAGACCGGTGTGCTGCTCCATCTCTCAGCATCACACCGTCAGCGTGAG 429
QY 421 CGCTACGTGGGCATCTCAACCCGTTCCGCGCAAACTGCGAGCACCCGCGCGCGGCC 480

DB 430 CGCTACGTGGCCATCTCTACACCCGTTCCGCGCAAACTGACAGACCCCGCGCGGCC 489
QY 481 CTCAGGATCTCGGCATCGTCTGGGGCTTCCGFGCTCTTCTCCGCCCAACACGACG 540
DB 490 CTCAGGATCTCGGCATCGTCTGGGGCTTCTCCGFGCTCTTCTCCGCCCAACACGACG 549
QY 541 ATCCATGGCATCAAGTTCCACTACTTCCCAATGGTCCCTGGTCCGAGGTCGCGCCACC 600
DB 550 ATCCATGGCATCAAGTTCCACTACTTCCCAATGGTCCCTGGTCCGAGGTCGCGCCACC 609
QY 601 TGTAGGTCATCAAGCCCATGTGGATCTACAAATTTTCATCTCCAGGTCACTCTCTCTA 660
DB 610 TGTAGGTCATCAAGCCCATGTGGATCTACAAATTTTCATCTCCAGGTCACTCTCTCTA 669
QY 661 TTCTACCTCTCTCCCATGATCTCATAGTGTCTCTACTACTCTCATGGCACTCAGATG 720
DB 670 TTCTACCTCTCTCCCATGATCTCATAGTGTCTCTACTACTCTCATGGCACTCAGACTA 729
QY 721 A 721
DB 730 A 730

RESULT 4
US-10-272-983-11
Sequence 11, Application US/10272983
Publication No. US20030148450A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Dang, Huong T.
APPLICANT: Liaw, Chen W.
APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
FILE REFERENCE: AREN0050
CURRENT APPLICATION NUMBER: US/10/272,983
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: US/09/417,044
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,851
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 1248
TYPE: DNA
ORGANISM: Homo sapiens
US-10-272-983-11

Query Match 98.5%; Score 717.8; DB 13; Length 1248;
Best Local Similarity 99.7%; Pred. No. 5.9e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGGAAGAACTTCAGATGCTCTCGATCTACAGCGAAGTACAGATCCATTCCAG 60
DB 10 ATGGAAGAACTTCAGATGCTCTCGATCTACAGCGAAGTACAGATCCATTCCAG 69

Db 754 CAGACACCGCGCTGCTCTTCTTCTGCTGCCATGAGCGGTCTACCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATTGGGCTGCGACTGCG 833
RESULT 7
US-10-240-145-10
; Sequence 10, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 10
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1335)
US-10-240-145-10
Query Match 38.7%; Score 282.4; DB 12; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGCGCAGCCACTTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGCAGACAGAGCTGTTTCAATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 273
QY 163 GTGGGGGTCAATGGCAATGTCTCTGGTGGCTGTGATTTCTGCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGCAATGGGCTGACCTGTCTGGTTCATCTCGCCACAGGCCATGCGC 333
QY 223 ACGCCCAACCACTACTACTCTTTCAGCCTGGCGGTCTGTGACCTCCTGGTCTGTCCTT 282
Db 334 ACGCTTACCACTACTACTCTTTCAGCCTGGCGGTCTGGACCTGCTGTGTGTGTGTG 393
QY 283 GGAATGCCCTCGAGGTCTATGAGATGTGGCACTACCTTTCTTGTGGGCCCCGTG 342
Db 394 GGCCTGCCCTCGAGCTCTATGAGATGTGGCACTACCTTTCTGCTGGGCGCTTGTGT 453
QY 343 GGTGTCTACTTCAAGACGSCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db 454 GGTGTCTATTTCGACAGCTACTGTTTGTGATGTGTCTGCTGGCTCTAGTGTCAACGTC 513
QY 403 ACCACCGTTCAGGCTGGAGCGCTACGTGGCCATCTTACACCCGTTCCGGGCCAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGGAAACGCTATGTGGCCGTGGTGCACCCACTCCAGSCCAGGTCCATG 573
QY 463 AGCACCCGCGCGGCGCCTCAGGATTCCTCAGGATTCCTCAGGATTCCTGGGGCTTCTCCG 522
Db 574 GTGACCGGGCCCATGTGGCGGAGTGTCTTGGGGCGGTCTGGGGGTCTTGGCAATGCTCTGC 633

Db 754 CAGACACCGCGCTGCTCTTCTTCTGCTGCCATGAGCGGTCTACCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATTGGGCTGCGACTGCG 833
RESULT 6
US-10-240-145-96
; Sequence 96, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 96
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-240-145-96
Query Match 38.7%; Score 282.4; DB 12; Length 1349;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGCGCAGCCACTTCTTCTCCCGGTGTCGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGCAGACAGAGCTGTTTCAATGCCCATCTGTGCCACATACCTGCTGATCTTCGTG 273
QY 163 GTGGGGGTCAATGGCAATGTCTCTGGTGGCTGTGATTTCTGCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGCAATGGGCTGACCTGTCTGTGTCATCTGTGCCACATACCTGCTGATCTTCGTG 333
QY 223 ACGCCCAACCACTACTACTCTTTCAGCCTGGCGGTCTGTGACCTCCTGGTCTGTCCTT 282
Db 334 ACGCTTACCACTACTACTCTTTCAGCCTGGCGGTCTGTGACCTGCTGTGTGTGTGTG 393
QY 283 GGAATGCCCTCGAGGTCTATGAGATGTGGCACTACCTTTCTTGTGGGCCCCGTG 342
Db 394 GGCCTGCCCTCGAGCTCTATGAGATGTGGCACTACCTTTCTGCTGGGCGTGTGT 453
QY 343 GGTGTCTACTTCAAGACGSCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db 454 GGTGTCTATTTCGACAGCTACTGTTTGTGATGTGTCTGCTGGCTCTAGTGTCAACGTC 513
QY 403 ACCACCGTTCAGGCTGGAGCGCTACGTGGCCATCTTACACCCGTTCCGGGCCAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGGAAACGCTATGTGGCCGTGGTGCACCCACTCCAGSCCAGGTCCATG 573
QY 463 AGCACCCGCGCGGCGCCTCAGGATTCCTCAGGATTCCTGAGGCTTCTCGGCTCTCTTC 522
Db 574 GTGACCGGGCCCATGTGGCGGAGTGTCTTGGGGCGGTCTGGGGGTCTTGGCAATGCTCTGC 633
QY 523 TCCCTGCCCAACACAGCATCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCATGGCATCGGAGCTGACGTCGCTGCGGGGCCA 693
QY 583 GTCCAGGTTCGGCCCACTGTACGCTCATCAAGGCCATGTGGATCTCAATTTTCATC 642
Db 694 GTGCCAGACTCAGCTGTTTGTGATGTGTGTCGCGCCACGCGGCCCTCTCAACATGATG 753
QY 643 CAGGTACCTCTCTCTTCTTCTACCTCTCCCATGATGTCATCAGTGTCTCTACTAC 702

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QY 523 TCCCTGCCCAACACAGCATCCATGCGATCAAGTTCACCTACTTCCCAATGGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCCATGCGATCAAGTTCACCTACTTCCCAATGGGTCCCTG 593
QY 583 GTCCAGGTTGGGCCAAGTTCATGCGGTATCAAGGCCAATGGATCTACAAATTTTCATATC 642
Db 694 GTGCCAGACTCAGCTGTTTGCATGCTGCTCCCGCCAGCGGCCCTCTACACATGGTAGTG 753
QY 643 CAGGTACCTCTTCTTATTTACTCTCTCCCATGATCTCATCAGTGCCTCTACTAC 702
Db 754 CAGACCAACCGGCTGCTCTTCTTCTGCTGCTGCCATGCCATCATGAGCGTGTCTACTCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATGGGCTGCGACTGCG 833
RESULT 8
US-10-146-419-12
; Sequence 12, Application US/10146419
; Publication No. US20030087370A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030087370A1el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2ADIV1
; CURRENT APPLICATION NUMBER: US/10/146,419
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 12
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1338)
US-10-146-419-12
Query Match 38.7%; Score 282.4; DB 15; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGGCGAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGACAGAGCTGTTTATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 273
QY 163 GTGGGGGTCAATGGCAATGCTCTGTGGTGTCCCTGGTGAATTCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGCAATGGGCTGACCTGTCTGGTGTATCTCTGGCCACAAGGCCATGCGC 333
QY 223 AGCCCCAACAACTACTACTCTTACGCTGGGGGTCTCTGACCTCTGCTGCTGCTCTT 282
Db 334 AGCCCTACCACTACTACTCTTACGCTGGGGGTCTCTGACCTCTGCTGCTGCTGCTG 393
QY 283 GGAATGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGCTGGGCCCGTG 342
Db 394 GGCCTGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGCTGGGCCCGTG 453
QY 343 GGCCTGCTACTTCAAGACGCGCTCTTTGAGACCGTGTGCTTGGCTCCATCTCTCAGCATC 402
Db 454 GGCCTGCTATTTCCGACGCTACTTTTGAATGGTCTGCTGGCTCAGTCTCAGTCTCAGTC 513
QY 403 ACCACGTCAGCGTGGAGCGGTACGTTGGCCATCTTACACCCGTTCCGCGCCAAATGCGAG 462
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Db 514 ACTGCCCTGAGCGTGGAAACGCTATGTGGCCGTGTGTGACCCACTCCAGGCCAGGTCCATG 573
QY 463 AGCACCGGCGCGCGGCTCTCAGGATCTCGGCATCTGTCTGGGGCTTCTCGGTCTCTTC 522
Db 574 GTGACCGGGGCCCATGTGCGCCGAGTGTCTGGGGCGGTCTGGGGTCTTGCCATGCTGTGC 633
QY 523 TCCCTGCCCAACACAGCATCCATGCGATCAAGTTCACCTACTTCCCAATGGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCCATGCGGATCGGCGAGTGCAGCTGCTGCGGGGCCA 693
QY 583 GTCCAGGTTGGGCCAAGTTCATGCGGTATCAAGGCCAATGGATCTACAAATTTTCATATC 642
Db 694 GTGCCAGACTCAGCTGTTTGCATGCTGCTCCCGCCAGCGGCCCTCTACAAATGGTAGTG 753
QY 643 CAGGTACCTCTTCTTATTTACTCTCTCCCATGATCTCATCAGTGCCTCTACTAC 702
Db 754 CAGACCAACCGGCTGCTCTTCTTCTGCTGCTGCCATGCCATCATGAGCGTGTCTACTCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATGGGCTGCGACTGCG 833
RESULT 9
US-10-146-123-12
; Sequence 12, Application US/10146123
; Publication No. US20030092112A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030092112A1el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2ADIV2
; CURRENT APPLICATION NUMBER: US/10/146,123
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 12
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1338)
US-10-146-123-12
Query Match 38.7%; Score 282.4; DB 15; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGGCGAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGACAGAGCTGTTTATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 273
QY 163 GTGGGGGTCAATGGCAATGCTCTGTGGTGTCCCTGGTGAATTCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGCAATGGGCTGACCTGTCTGGTGTATCTCTGGCCACAAGGCCATGCGC 333
QY 223 AGCCCCAACAACTACTACTCTTACGCTGGGGGTCTCTGACCTCTGCTGCTGCTCTT 282
Db 334 AGCCCTACCACTACTACTCTTACGCTGGGGGTCTCTGACCTCTGCTGCTGCTGCTG 393
QY 283 GGAATGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGCTGGGCCCGTG 342
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Db 394 GGCCTGCCCCCTGGAGCTCTATGAGATGGGCACAACTACCCCTTCCTGCTGGGGCTTGGT 453
Qy 343 GGCCTCTACTTCAAGACGGCCCTCTTTGAGACCGGTGCTTCGCGCTCCATCCTCAGCATC 402
Db 454 GGCCTGCTATTCCGACACGCTACTTTTGGATGGTCTGCTGGCTCAGTCTCAACGTC 513
Qy 403 ACCACCGTCAGCGTGGAGCGGTAGTGGCCATCTCTACACCGGTTCGCGGCCAAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGGAGCGGTATGTGGCCGTGTGGCCACTCCAGGCCAGGTCCATG 573
Qy 463 AGCACCGCGCGCGCGCCCTCAGNATCTCGGCATCGTCTGGGGCTTCCTCGTCTCTTC 522
Db 574 GTGACGCGCGCGCCATGTGCGCGAGTGTCTGGGCGGCTGCTGGGCTTCCTGCGCATCTGC 633
Qy 523 TCCCTGCCCAACACACGAGCATCGCATCGCATCAAGTTCCACTACTTCCCCCAATGGTCCCTG 582
Db 634 TCCCTGCCCAACACGAGCGTGCACGCGCATCGGAGCTCGGAGCTGCGCGCGCGGCCA 693
Qy 583 GTCCAGGTCGGCCACCTGTACGGTCTATCAAGCCCATGTGATCTCAAAATTTTCATCATC 642
Db 694 GTGCCAGACTCAGCTGTGTTCATGCTGGTCCGCGCACGGCCCTCTACAAATGTTAGTG 753
Qy 643 CAGGTACCTCTCTCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 702
Db 754 CAGACACCGCGCT 813
Qy 703 CTCATGGGCACCTCAGAGTGAG 722
Db 814 CTCATGGGCTCGGACTGCG 833

RESULT 10
US-10-353-690-9
; Sequence 9, Application US/10353690
; Publication No. US20030215840A1
; GENERAL INFORMATION:
; APPLICANT: Logan, Thomas Joseph
; APPLICANT: Chun, Miyoung
; APPLICANT: Galvin, Katherine M.
; APPLICANT: Healy, Aileen
; APPLICANT: Acton, Susan L.
; APPLICANT: Donoghue, Mary
; APPLICANT: Stagliano, Nancy
; APPLICANT: Perodin, Jacqueline
; APPLICANT: Rodrigue-Way, Amelie
; TITLE OF INVENTION: Methods and compositions for treating
; TITLE OF INVENTION: cardiovascular disease using 1682, 6169, 6193, 7771, 14395,
; TITLE OF INVENTION: 23002, 3216, 43726, 69292, 26156, 32427, 2402, 7747, 1720,
; TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 38650,
; TITLE OF INVENTION: 14245, 58848, 1870, 25856, 32394, 3484, 345, 9252, 9135,
; TITLE OF INVENTION: 10532, 18610, 8165, 2448, 2445, 64624, 84237, 8912, 2868,
; TITLE OF INVENTION: 283, 2554, 9464, 17799, 26686, 43848, 32135, 12208, 2914,
; TITLE OF INVENTION: 51130, 19489, 21833, 2917, 59590, 15992, 2094, 2252, 3474,
; FILE REFERENCE: MPI02-018PAINOMIN
; CURRENT APPLICATION NUMBER: US/10/353,690
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/353,224
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 60/364,529
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: 60/373,861
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/376,287
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: 60/388,080
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/390,971
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/394,130
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/394,797
; PRIOR FILING DATE: 2002-07-10

; PRIOR APPLICATION NUMBER: 60/404,904
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/405,450
; PRIOR FILING DATE: 2002-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-353-690-9

Query Match 38.5%; Score 280.8; DB 13; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

Qy 103 GGAACCTCGGGGAGGCACTTCTCTCCCGGTCTGTGGTGTATGTGCGCAATTTTGG 162
Db 88 GGGCCCCAGACAGAGAGCTGTTCATGCCCATCTGTGCCACATACCTGTGTATCTTCGTG 147
Qy 163 GTGGGGGTCAATTGGCAATCTCTGGTGTGCTTGGTGTATCTCGAGCACCAGGCTATGAAG 222
Db 148 GTGGGGCTGTGGGCAATGGGTGACCTGTCTGGTCACTCTGGGCCAAGGCCATGCGC 207
Qy 223 ACGCCCAACCAACTACTACTCTTTCAGCCTGGGGGTCTCTGACCTCTGTGCTCTCTCTT 282
Db 208 AGCCCTACCACTACTACTCTTTCAGCCTGGGGGTCTCTGACCTGTGCTGTCTGTGCTG 267
Qy 283 GGAATGCCCTCGAGGTCTATGAGATGTGGCGGAATACCTTCTTGTTCGGGGCCGTG 342
Db 268 GGCCTGCCCTCGAGCTCTATGAGATGTGGCACACTACCCCTTCTGTGCTGGCGTGTGT 327
Qy 343 GGCCTGCTACTTCAAGACGGCCCTCTTTGAGACCGGTGTCTGCTCTCCATCTCAGCATC 402
Db 328 GGCCTGCTATTTCCGCACTACTTGTGTGAGATGGTCTGCTGGCTCAGTCTCAACGTC 387
Qy 403 ACCACCGTCAGCGTGGAGCGCTACGTGGGCATCTTACACCCGTTCCGCGCCAACTGCAG 462
Db 388 ACTGCCCTGAGCGTGGAAAGCTATGTGGCGGTGGTGCACCCACTCAGGCCAGGTCCATG 447
Qy 463 AGCACCGCGCGCGCGCCCTCTCAGGATCTCGGATCTCGTGTGGGGTCTTCGGTCTCTTC 522
Db 448 GTGACGCGGGCCCATGTGCGCGAGTGTCTGGGGCGGTCTGGGGTCTTGGCATGCTCTGC 507
Qy 523 TCCTTCCGCCAACACGAGATCCATGCAATCAAGTCCACTACTTCCCCAATGGTCCCTG 582
Db 508 TCCTTCCGCCAACACGAGCTTCGACGCGCATCCGCGAGCTGCAGTGCCTTCGCGGGCCCA 567
Qy 583 GTCCAGGTTCCGCCACCTGTAGCGTCAATCAAGCCCATGTGGATCTTACAAATTTTCATC 642
Db 568 GTGCCAGACTCAGCTCTTTTGCATGTGTGGTCCGCCCAAGGGCCCTCTACAAATGTTAGTG 627
Qy 643 CAGGTCACTCTCTTCTTATTTACTCTTCTCCCATGACTGTCTCAGTGTCTCTCTACTAC 702
Db 628 CAGACACCGCGCTGTCTTCTTCTGCTGCCATGGCCATCATGAGCGTCTCTACTG 687
Qy 703 CTCATGGGCTCAGAGTGAG 722
Db 688 CTCATGGGCTCGGACTGCG 707

RESULT 11
US-10-083-168-13
; Sequence 13, Application US/10083168
; Publication No. US20030023059A1
; GENERAL INFORMATION:
; APPLICANT: Liaw, Chen W.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; APPLICANT: Maciejewski-Lenior, Dominique
; APPLICANT: Leonard, James N.
; APPLICANT: Ortuno, Daniel

APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitutively Act
FILE REFERENCE: AREN-0320
CURRENT APPLICATION NUMBER: US/10/083,168
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-083-168-13

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

103 GGACTCGGCGCAGCAGCAGCTTCTTCTCCCGCTGCTGTGTATGTCGCAATTTTGTG 162
Db
88 GGGCCCCAGCAGCAGAGCTTTCATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 147
Qy
163 GTGGGGTCTATTGGCAATGCTCTGCTGTGCTGTGATCTGTGACACCAAGGCTATGAAG 222
Db
148 GTGGGGCTGTGGGCAATGGCTGACCTGTCTGTGTCTATCTCGCCACCAAGGCCATCGC 207
Qy
223 ACGCCCAACCACTACTACTTCTGAGCTGGCGTCTGTGACCTCTGCTGCTGCTCTT 282
Db
208 ACGCCTACCACTACTACTTCTGAGCTGGCGTGTGACCTCTGCTGCTGCTGCTG 267
Qy
283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCACTACCTCTTCTGTGGGCGCGTG 342
Db
268 GGCTGCCCCGGAGCTCTATGAGATGTGGCACTACCTACCTCTCTGCTGGCGTGGT 327
Qy
343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db
328 GGCTGCTATTTCGCACTGCTTTGAGATGTGTGCTGCTGCTGCTGCTGCTGCTGCT 387
Qy
403 ACCACCGCTGAGCTGAGCGCTAGTGGGCACTCTACACCGCTTCCGCGCCAACTGCAG 462
Db
388 ACTGCCCTGAGCTGGAACGCTATGTGGCGGTGTGTCACCACTTCCAGGCGCAGTCCATG 447
Qy
463 AGCACCGGCGCGGCGCCCTCAGGATCTCGGCATCTCTGCGGCTTCTCCGCTCTTTC 522
Db
448 GTGACGCGGCGCCATGTGCGCGGAGTGTGGGCGCTGTGGGCTCTTGCATGCTCTGC 507
Qy
523 TCCCTGCCACACAGCAGCTCCATCAAGTTCCACTACTTCCCAATGGGTCCTCTG 582
Db
508 TCCCTGCCACACAGCAGCTCGCGCATCGGCGCTGCGGCGCTTCCGCGGCGCCA 567
Qy
583 GTCCCAAGTTCGGCCACTGTACGGTCTATCAAGCCCATGTGGATCTACAAATTCATCATC 642
Db
568 GTGCCAGACTCAGCTGTTTGCATGCTGTGCGCCACCGGCGCTCTACAACTGGTAGTG 627
Qy
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
Db
628 CAGACCAACCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 687
Qy
703 CTCATGGCACTCAGAGTGAG 722
Db
688 CTCATTGGGCTGCGACTGCG 707

RESULT 12
US-10-083-168-82
; Sequence 82, Application US/10083168
; Publication No. US20030023069A1
; GENERAL INFORMATION:
; APPLICANT: Lin, I-Lin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; APPLICANT: Maciejewski-Jenior, Dominique
; APPLICANT: Leonard, James N.

APPLICANT: Ortuno, Daniel
APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitutively Act
FILE REFERENCE: AREN-0320
CURRENT APPLICATION NUMBER: US/10/083,168
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 82
LENGTH: 1212
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: No. US20030023069A1el Sequence
US-10-083-168-82

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

103 GGACTCGGCGCAGCAGCAGCTTCTTCTCCCGCTGCTGTGTATGTCGCAATTTTGTG 162
Db
88 GGGCCCCAGCAGCAGAGCTTTCATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 147
Qy
163 GTGGGGTCTATTGGCAATGCTCTGCTGTGCTGTGATCTGTGACACCAAGGCTATGAAG 222
Db
148 GTGGGGCTGTGGGCAATGGCTGACCTGTCTGTGTCTATCTCGCCACCAAGGCCATCGC 207
Qy
223 ACGCCCAACCACTACTACTTCTGAGCTGGCGTCTGTGACCTCTGCTGCTGCTCTT 282
Db
208 ACGCCTACCACTACTACTTCTGAGCTGGCGTGTGACCTCTGCTGCTGCTGCTG 267
Qy
283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCACTACCTCTTCTGTGGGCGCGTG 342
Db
268 GGCTGCCCCGGAGCTCTATGAGATGTGGCACTACCTACCTCTCTGCTGGCGTGGT 327
Qy
343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db
328 GGCTGCTATTTCGCACTGCTTTGAGATGTGTGCTGCTGCTGCTGCTGCTGCTGCT 387
Qy
403 ACCACCGCTGAGCTGAGCGCTAGTGGGCACTCTACACCGCTTCCGCGCCAACTGCAG 462
Db
388 ACTGCCCTGAGCTGGAACGCTATGTGGCGGTGTGTCACCACTTCCAGGCGCAGTCCATG 447
Qy
463 AGCACCGGCGCGGCGCCCTCAGGATCTCGGCATCTCTGCGGCTTCTCCGCTCTTTC 522
Db
448 GTGACGCGGCGCCATGTGCGCGGAGTGTGGGCGCTGTGGGCTCTTGCATGCTCTGC 507
Qy
523 TCCCTGCCACACAGCAGCTCCATCAAGTTCCACTACTTCCCAATGGGTCCTCTG 582
Db
508 TCCCTGCCACACAGCAGCTCGCGCATCGGCGCTGCGGCGCTTCCGCGGCGCCA 567
Qy
583 GTCCCAAGTTCGGCCACTGTACGGTCTATCAAGCCCATGTGGATCTACAAATTCATCATC 642
Db
568 GTGCCAGACTCAGCTGTTTGCATGCTGTGCGCCACCGGCGCTCTACAACTGGTAGTG 627
Qy
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
Db
628 CAGACCAACCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 687
Qy
703 CTCATGGCACTCAGAGTGAG 722
Db
688 CTCATTGGGCTGCGACTGCG 707

RESULT 13
US-10-251-385-113
; Sequence 113, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.

APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 113
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-251-385-113

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 103 GGACCTGGCGCAGCAGCACTTCTCTCCCGCTGCTGTGGTGTATGTGCCAATTTTGTG 162
DB 88 GGGCCCCAGCAGACAGAGCTTTCATGCCCATCTGTGCCATACCTGCTGATCTTCGTG 147
QY 163 GTGGGGTTCATGGCAATGCTCTGCTGCTGTGCTGTGATTTGCGACACCGGCTATGAAG 222
DB 148 GTGGCGCTGTGGCAATGGGCTGACCTGTCTGGTCACTCTGCGCCACAAGGCCATCGC 207
QY 223 AGCCGCCAACAACTACTACTCTTACGCTGGCGCTCTGTGACCTCTGCTGCTCTCTT 282
DB 208 AGCCTACCAACTACTACTCTTACGCTGGCGCTGTGCGACCTGCTGGTGTCTGTG 267
QY 283 GGAATGCCCTGGAGGTCTATGAGATGGCGCAACTACCTTTCTTTTGGGCCCGGTG 342
DB 268 GGCCTGCCCTGGAGCTCTATGAGATGGCAACTACCTTTCTTCTGGCGTTGGT 327
QY 343 GGCTGCTACTTCAAGACGGCCCTTTTGAGACCGTGTGCTGGCTCTCATCTCAGCATC 402
DB 328 GGCTGCTATTTCCGACGCTACTGTGAGATGGTGTGCTGGCTCAGTGTCTCAAGTTC 387
QY 403 ACCACGTCAGGTGGAGCGCTACGTGGCCATCTACACCGCTTCCGCGCCAACTGCAG 462
DB 388 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGGTGACCCACTCCAGGCCAGGTCCATG 447
QY 463 AGCACCCGCGCGCGCCCTCAGGATCTCTGGCATCTGTGGGGCTTCTCGTCTCTTC 522
DB 448 GTGACGCGGGCCCATGTGCGCGAGTGTGTGGGGCGTCTGGGCTCTTGCCATGCTTGC 507
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
DB 508 TCCCTGCCCAACACAGCATCCAGCATCCGCGAGTGCAGTGCCTGCGCGGGGCCA 567
QY 583 GTCCAGGTTGGCCACCTGTACGTCATCAAGCCATGTGGATCTCAATTTTCATCATC 642
DB 568 GTGCCAGACTCAGCTGTTTGTGATGTGCTCGGCCACCGGGCCCTTCAACATGTAGT 627
QY 643 CAGGTCACTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 702
DB 628 CAGACACCGGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 687
QY 703 CTCATGGCACTCAGAGTGAG 722
DB 688 CTCATGGGCTCGACTGCG 707

RESULT 14
US-10-251-385-223
Sequence 223, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.

APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 223
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-251-385-223

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 103 GGACCTGGCGCAGCAGCACTTCTCTCCCGCTGCTGTGGTGTATGTGCCAATTTTGTG 162
DB 88 GGGCCCCAGCAGACAGAGCTTTCATGCCCATCTGTGCCATACCTGCTGATCTTCGTG 147
QY 163 GTGGGGTTCATGGCAATGCTCTGCTGCTGTGCTGTGATTTGCGACACCGGCTATGAAG 222
DB 148 GTGGCGCTGTGGCAATGGGCTGACCTGTCTGGTCACTCTGCGCCACAAGGCCATCGC 207
QY 223 AGCCGCCAACAACTACTACTCTTACGCTGGCGCTCTGTGACCTCTGCTGCTCTCTT 282
DB 208 AGCCTACCAACTACTACTCTTACGCTGGCGCTGTGCGACCTGCTGGTGTCTGTG 267
QY 283 GGAATGCCCTGGAGGTCTATGAGATGGCGCAACTACCTTTCTTTTGGGCCCGGTG 342
DB 268 GGCCTGCCCTGGAGCTCTATGAGATGGCAACTACCTTTCTTCTGGCGTTGGT 327
QY 343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTGGCTCTCATCTCAGCATC 402
DB 328 GGCTGCTATTTCCGACGCTACTGTGAGATGGTGTGCTGGCTCAGTGTCTCAAGTTC 387
QY 403 ACCACGTCAGGTGGAGCGCTACGTGGCCATCTACACCGCTTCCGCGCCAACTGCAG 462
DB 388 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGGTGACCCACTCCAGGCCAGGTCCATG 447
QY 463 AGCACCCGCGCGCGCCCTCAGGATCTCTGGCATCTGTGGGGCTTCTCGTCTCTTC 522
DB 448 GTGACGCGGGCCCATGTGCGCGAGTGTGTGGGGCGTCTGGGCTCTTGCCATGCTTGC 507
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
DB 508 TCCCTGCCCAACACAGCATCCAGCATCCGCGAGTGCAGTGCCTGCGCGGGGCCA 567
QY 583 GTCCAGGTTGGCCACCTGTACGTCATCAAGCCATGTGGATCTCAATTTTCATCATC 642
DB 568 GTGCCAGACTCAGCTGTTTGTGATGTGCTCGGCCACCGGGCCCTTCAACATGTAGT 627
QY 643 CAGGTCACTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 702
DB 628 CAGACACCGGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 687
QY 703 CTCATGGCACTCAGAGTGAG 722
DB 688 CTCATGGGCTCGACTGCG 707

RESULT 15
US-10-225-567A-539
Sequence 539, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: LifeSpan Biosciences
APPLICANT: Brown, Joseph P.

APPLICANT: Burmer, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 539
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-567A-539

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

Qy	103	GGACCTCGGCGCAGCCACTCTTCCTCCCGGTGCTGTGGTGATGTGCCAATTTTGTG	162
Db	88	GGGCCCCAGCAGACAGAGCTGTTTCATGCCCATCTGTGCCACATACCTGTGATCTTCGTG	147
Qy	163	GTGGGGTCAATTGGCAATGTCCTGGTGTGCTGGTGAATTCGACACACAGGCTATGAAG	222
Db	148	GTGGGGCTGTGGGCAATGGGCTGACCTGTGTGTCATCTGTGCCACAAAGGCCATGGGC	207
Qy	223	ACGCCACCAACTACTACCTCTTCAGCTGGGGGTCTCTGACCTCGTGGTCTGTCTCTT	282
Db	208	ACGCTACCAACTACTACCTCTTCAGCTGGGGGTCTGTGGACCTGTGTGTGTGTGTG	267
Qy	283	GGAAATGCCCTCGAGGTCTATAGATGTGGCGCAACTACCCCTTTCTTGTTCGGGGCCG	342
Db	268	GGCTGCCCCCTGGAGCTCTATGAGATGTGSCACAACCTACCCCTTCCTGTGGCGTTGGT	327
Qy	343	GGCTGTACTTAAAGCGGCCCTCTTTGAGACCGTGTGTGCTTGGCTTCCATCTCTCAGCATC	402
Db	328	GGCTGTCTAATTTCCGCAAGCTACTGTTTGTGATGCTGTGCTGGCTCTCAGTGTCTCAACGTC	387
Qy	403	ACCACGCTCAGCGTGGAGCGCTACGTGGCCATCTACACCGTTCCGCGCCAACTGCAG	462
Db	388	ACTGCCCTGAGCGTGGAAACGCTATGTGGCGGTGGTGACCCACTCCAGGCCAGGTCCATG	447
Qy	463	AGCACCGCGCGCGGCCCTCAGGATCCTCGGCATGCTGTGGGGCTTCTCCGTGTCTTTC	522
Db	448	GTGACGGGGGCCCATGTGCGCCGAGTCTTGGGGCCCTCTGGGGTCTTGCCATGCTCTGC	507
Qy	523	TCCCTGCCCAACACCAAGCATCCATGGCATCAAGTTCCACTACTTCCCCCAATGGGTCCCTG	582
Db	508	TCCCTGCCCAACACCAAGCATCCAGCTGACGGCATCCGGCAGGTGCACGTGCCCTGCCGGGCCCA	567
Qy	583	GTCCAGGTTGGGCCACTGTACGGTCAATCAAGCCCATGTGGATCTACAAATTCATCATC	642
Db	568	GTGCCAGACTCAGCTGTTTGCATGCTGGTCCGCCCAAGGGCCCTCTACAAATGTTAGTG	627
Qy	643	CAGGTACCTCTCTCTTCTTCT	702
Db	628	CAGACCAAGGGTGTCT	702
Qy	703	CTCATGGCACTCAGAGTGAG	722
Db	688	CTCATGGGCTGGACTGCG	707

Search completed: February 13, 2004, 19:33:55
Job time : 336 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 13, 2004, 19:36:13 ; Search time 74 Seconds

(without alignments)
684.737 Million cell updates/sec

Title: US-09-684-725-2

Perfect score: 1263

Sequence: 1 MEXLQNASWYQKLEDPFQ.....LLPMTVISVLYMALRVSI 242

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
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- 16: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1252	99.1	249	11	US-09-782-974C-18
2	1252	99.1	412	15	US-10-225-567A-557
3	1252	99.1	415	12	US-10-272-983-12
4	1252	99.1	415	12	US-10-393-807-12
5	1252	99.1	415	12	US-10-417-820A-12
6	680.5	53.9	403	12	US-10-353-690-10
7	680.5	53.9	403	15	US-10-251-385-114
8	680.5	53.9	403	15	US-10-251-385-224
9	680.5	53.9	403	15	US-10-225-567A-540
10	680.5	53.9	403	15	US-10-290-078-18
11	677.5	53.6	445	12	US-10-240-145-53
12	677.5	53.6	445	12	US-10-240-145-139
13	418	33.1	419	9	US-09-804-551B-26
14	418	33.1	428	15	US-10-270-333-114
15	352	27.9	525	12	US-10-314-076-17

16	352	27.9	595	15	US-10-270-333-195	Sequence 195, App
17	337	26.7	660	15	US-10-270-333-192	Sequence 192, App
18	333	26.4	412	12	US-10-318-661-28	Sequence 28, Appl
19	333	26.4	412	12	US-10-206-677-2	Sequence 2, Appl
20	333	26.4	412	12	US-10-417-820A-130	Sequence 130, App
21	333	26.4	412	12	US-10-417-820A-150	Sequence 150, App
22	333	26.4	412	15	US-10-325-567A-473	Sequence 473, App
23	333	26.4	412	15	US-10-290-078-15	Sequence 15, Appl
24	332.5	26.3	378	12	US-10-369-493-6848	Sequence 6848, Ap
25	325.5	25.8	418	12	US-09-826-509-535	Sequence 535, App
26	325.5	25.8	418	15	US-10-225-567A-207	Sequence 207, App
27	303.5	24.0	418	12	US-10-369-493-5319	Sequence 5319, Ap
28	281	22.2	416	12	US-10-205-219-21	Sequence 21, Appl
29	277	21.9	289	12	US-10-303-204A-10	Sequence 10, Appl
30	277	21.9	289	15	US-10-225-567A-140	Sequence 140, App
31	277	21.9	361	12	US-10-303-204A-8	Sequence 8, Appli
32	277	21.9	366	12	US-10-303-204A-13	Sequence 13, Appl
33	277	21.9	366	15	US-10-251-385-88	Sequence 88, Appl
34	277	21.9	366	15	US-10-251-385-210	Sequence 210, App
35	274	21.7	353	12	US-10-303-204A-3	Sequence 3, Appli
36	274	21.7	364	12	US-10-303-204A-16	Sequence 16, Appl
37	273	21.6	289	12	US-10-303-204A-5	Sequence 5, Appli
38	263.5	20.9	275	15	US-10-267-811-3	Sequence 3, Appli
39	262.5	20.8	222	10	US-09-911-005-4	Sequence 4, Appli
40	262.5	20.8	222	12	US-10-145-586-33	Sequence 33, Appl
41	262.5	20.8	259	9	US-09-796-338A-23	Sequence 23, Appl
42	262.5	20.8	259	12	US-10-145-586-23	Sequence 23, Appl
43	262.5	20.8	259	12	US-10-145-586-38	Sequence 38, Appl
44	262.5	20.8	259	12	US-09-971-269-7	Sequence 7, Appli
45	262.5	20.8	259	12	US-09-971-269-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-782-974C-18
; Sequence 18, Application US/09782974C
; Publication No. US20030082534A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Lind, Peter
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis A.
; TITLE OF INVENTION: No. US20030082534A1el G Protein Coupled Receptor
; FILE REFERENCE: 41USPHRM311
; CURRENT APPLICATION NUMBER: US/09/782,974C
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/165,838
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 09/714,449
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 60/198,568
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,071
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,678
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: 60/173,396
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/184,129
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/185,421
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/185,554
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/186,530
; PRIOR FILING DATE: 2000-03-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 249

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-782-974C-18

Query Match      99.1%; Score 1252; DB 11; Length 249;
Best Local Similarity 99.2%; Pred. No. 1.1e-116;
Matches 240; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 3 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 62
QY 61 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 120
DB 63 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 122
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 180
DB 123 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 182
QY 181 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 183 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 242
QY 241 SI 242
DB 243 SI 244

RESULT 2
US-10-225-567A-557
; Sequence 557, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 557
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-557

Query Match      99.1%; Score 1252; DB 15; Length 412;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
QY 61 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 120
DB 61 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 120
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 180
DB 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 180
QY 181 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 181 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 240
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RESULT 3
US-10-272-983-12
; Sequence 12, Application US/10272983
; Publication No. US20030148450A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/10/272,983
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US/09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-272-983-12

Query Match      99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 63
QY 61 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 120
DB 64 VLVCVLVILQHOAMKTPNYYLFSLAVSDLLVLLGMPLEVYEMWRYNYPFLFGPVGCF 123
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 180
DB 124 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLN 183
QY 181 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 184 IHGKHFHFPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 243

RESULT 4
US-10-393-807-12
; Sequence 12, Application US/10393807
; Publication No. US20030175891A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
```

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FILE REFERENCE: AREN0050
CURRENT APPLICATION NUMBER: US/10/393,807
CURRENT FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: US/09/417,044
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,851
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 415
TYPE: PRT
ORGANISM: Homo sapiens
US-10-393-807-12

Query Match          99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLOGPGRSHFPLVSVVYVPFVGVIGN 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLOGPGRSHFPLVSVVYVPFVGVIGN 63

QY 61 VLVCVLVILQHOAMKPTNNYLFSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 120
DB 64 VLVCVLVILQHOAMKPTNNYLFSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 123

QY 121 ALFETVCFASILSITTSVERVAILHPFRAKLQSTRRRALRILGIVWGSVLSLNTS 180
DB 124 ALFETVCFASILSITTSVERVAILHPFRAKLQSTRRRALRILGIVWGSVLSLNTS 183

QY 181 IHGKHFHPNGSLVPGSATCTVIKPMIYNFIQVTSFLLPMTVISVLYLMAALRV 240
DB 184 IHGKHFHPNGSLVPGSATCTVIKPMIYNFIQVTSFLLPMTVISVLYLMAALRV 243

RESULT 5
US-10-417-820A-12
Sequence 12, Application US/10417820A
Publication No. US20030229216A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7.US28.CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1998-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
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PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 12
LENGTH: 415
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-12

Query Match          99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLOGPGRSHFPLVSVVYVPFVGVIGN 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLOGPGRSHFPLVSVVYVPFVGVIGN 63

QY 61 VLVCVLVILQHOAMKPTNNYLFSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 120
DB 64 VLVCVLVILQHOAMKPTNNYLFSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 123

QY 121 ALFETVCFASILSITTSVERVAILHPFRAKLQSTRRRALRILGIVWGSVLSLNTS 180
DB 124 ALFETVCFASILSITTSVERVAILHPFRAKLQSTRRRALRILGIVWGSVLSLNTS 183

QY 181 IHGKHFHPNGSLVPGSATCTVIKPMIYNFIQVTSFLLPMTVISVLYLMAALRV 240
DB 184 IHGKHFHPNGSLVPGSATCTVIKPMIYNFIQVTSFLLPMTVISVLYLMAALRV 243

RESULT 6
US-10-353-690-10
Sequence 10, Application US/10353690
Publication No. US20030215840A1
GENERAL INFORMATION:
APPLICANT: Logan, Thomas Joseph
APPLICANT: Chun, Miyoung
APPLICANT: Galvin, Katherine M.
APPLICANT: Healy, Aileen
APPLICANT: Acton, Susan L.
APPLICANT: Donoghue, Mary
APPLICANT: Stagliano, Nancy
APPLICANT: Perodin, Jacqueline
APPLICANT: Rodrigue-Way, Amelie
TITLE OF INVENTION: Methods and compositions for treating
TITLE OF INVENTION: cardiovascular disease using 1682, 6169, 6193, 7771, 14395,
TITLE OF INVENTION: 29002, 33216, 43726, 59292, 26156, 32427, 2402, 7747, 1720,
TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 38650,
TITLE OF INVENTION: 14245, 58848, 1870, 25856, 32394, 3484, 345, 9252, 9135,
TITLE OF INVENTION: 10532, 18610, 8165, 2448, 2445, 64624, 84237, 8912, 2869,
TITLE OF INVENTION: 283, 2554, 9464, 17799, 26686, 43848, 32135, 12208, 2914,
TITLE OF INVENTION: 51130, 19489, 21833, 2917, 55590, 15992, 2094, 2252, 3474,
TITLE OF INVENTION: 9792, 15400, 1452 or 6585 molecules
FILE REFERENCE: MPI02-018P.NOMIN
CURRENT APPLICATION NUMBER: US/10/353,690
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: 60/353,224
PRIOR FILING DATE: 2002-02-01
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PRIOR APPLICATION NUMBER: 60/364,529
PRIOR FILING DATE: 2002-03-15
PRIOR APPLICATION NUMBER: 60/373,861
PRIOR FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 60/376,287
PRIOR FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: 60/388,080
PRIOR FILING DATE: 2002-06-12
PRIOR APPLICATION NUMBER: 60/390,971
PRIOR FILING DATE: 2002-06-24
PRIOR APPLICATION NUMBER: 60/394,130
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/394,797
PRIOR FILING DATE: 2002-07-10
PRIOR APPLICATION NUMBER: 60/404,904
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: 60/405,450
PRIOR FILING DATE: 2002-08-23
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 403
TYPE: PRT
ORGANISM: Homo Sapiens
US-10-353-690-10

Query Match 53.9%; Score 680.5; DB 12; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLPVSVVYVIFVVGVLGVCLVILQHOAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70

QY 76 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 135
DB 71 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 130

QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVWGFSVFLPSLNTSIHGKHFYFNGSLV 195
DB 71 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 130

QY 196 PGSATCTVIKPMWYNYFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVVGAVNGLAMLCSLPNTSLHGIRQLHVPGRGPV 190

QY 196 PGSATCTVIKPMWYNYFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGLRL 235

RESULT 7
US-10-251-385-114
Sequence 114, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: PatentIn version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-10-251-385-114

Query Match 53.9%; Score 680.5; DB 15; Length 403;

Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLPVSVVYVIFVVGVLGVCLVILQHOAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70

QY 76 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 135
DB 71 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 130

QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVWGFSVFLPSLNTSIHGKHFYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVVGAVNGLAMLCSLPNTSLHGIRQLHVPGRGPV 190

QY 196 PGSATCTVIKPMWYNYFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGLRL 235

RESULT 8
US-10-251-385-224
Sequence 224, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: PatentIn version 3.1
SEQ ID NO 224
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-10-251-385-224

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLPVSVVYVIFVVGVLGVCLVILQHOAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70

QY 76 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 135
DB 71 PTNYLFSLAVSDLLVLLGMPLEVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASISIT 130

QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVWGFSVFLPSLNTSIHGKHFYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVVGAVNGLAMLCSLPNTSLHGIRQLHVPGRGPV 190

QY 196 PGSATCTVIKPMWYNYFIQVTSFLYLLPMTVISVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGLRL 235

RESULT 9
US-10-225-567A-540
Sequence 540, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: LifeSpan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenna C.

APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 540
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-540

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVVPFVGVGVGNVLVCLVILQHOAMKT 75
Db 13 DP--EDNLNLTDEALRLKYLGPQQTLEFNPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 70

Qy 76 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFPGVGVGYKFTALFETVCFASILSIT 135
Db 71 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFLLGVGGCYFRTLLFEMVCLASVLNVT 130

Qy 136 TVSVERYVAILHPFRALQSTRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 131 ALSVERYVAVVHPLOARSMTTRAHVRVILGAVGWLMLCSLPNTSLHGIRQLHVPKRGVP 190

Qy 196 PGSATCTVIKPMWYNIQVTSFLFVLLPMTVISVLYLMALRV 240
Db 191 PDSAVCMVLPRLALYNNVQTTALLFCLPMAINSVLYLLIGRL 235

RESULT 10
US-10-290-078-18
; Sequence 18, Application US/10290078
; Publication No. US20030124596A1
; GENERAL INFORMATION:
; APPLICANT: Carroll, Joseph A.
; TITLE OF INVENTION: Methods and Compositions for Treating
; TITLE OF INVENTION: Hematological Disorders Using 232, 2059, 10630, 12848, 13875,
; FILE REFERENCE: 14395, 14618, 17692 or 58874
; CURRENT APPLICATION NUMBER: US/10/290,078
; CURRENT FILING DATE: 2002-11-07
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-290-078-18

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVVPFVGVGVGNVLVCLVILQHOAMKT 75
Db 13 DP--EDNLNLTDEALRLKYLGPQQTLEFNPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 70

Qy 76 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFPGVGVGYKFTALFETVCFASILSIT 135
Db 71 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFLLGVGGCYFRTLLFEMVCLASVLNVT 130

Qy 136 TVSVERYVAILHPFRALQSTRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 131 ALSVERYVAVVHPLOARSMTTRAHVRVILGAVGWLMLCSLPNTSLHGIRQLHVPKRGVP 190

Qy 196 PGSATCTVIKPMWYNIQVTSFLFVLLPMTVISVLYLMALRV 240

Db 191 PDSAVCMVLPRLALYNNVQTTALLFCLPMAINSVLYLLIGRL 235

RESULT 11
US-10-240-145-53
; Sequence 53, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 53
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-240-145-53

Query Match 53.6%; Score 677.5; DB 12; Length 445;
Best Local Similarity 56.0%; Pred. No. 4e-59;
Matches 126; Conservative 41; Mismatches 55; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVVPFVGVGVGNVLVCLVILQHOAMKT 75
Db 55 DP--EDNLNLTDEALRLKYLGPQQTLEFNPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 112

Qy 76 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFPGVGVGYKFTALFETVCFASILSIT 135
Db 113 PTNYLFSLAVSDLLVLLGNLPLEVYEMWRYNPFLLGVGGCYFRTLLFEMVCLASVLNVT 172

Qy 136 TVSVERYVAILHPFRALQSTRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 173 ALSVERYVAVVHPLOARSMTTRAHVRVILGAVGWLMLCSLPNTSLHGIRQLHVPKRGVP 232

Qy 196 PGSATCTVIKPMWYNIQVTSFLFVLLPMTVISVLYLMALRV 240
Db 233 PDSAVCMVLPRLALYNNVQTTALLFCLPMAINSVLYLLIGRL 277

RESULT 12
US-10-240-145-139
; Sequence 139, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23

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; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 139
; TYPE: PRT
; LENGTH: 445
; ORGANISM: Homo sapiens
US-10-240-145-139

Query Match      53.6%; Score 677.5; DB 12; Length 445;
Best Local Similarity 56.0%; Pred. No. 4e-59;
Matches 126; Conservative 41; Mismatches 55; Indels 3; Gaps 2;

QY 17 DPQKELNSTEYLAFLCGPDRSHFLPVSVVYPIFVGVGNVLCVLQHQAMKT 75
Db 55 DP--EDNLNLTDEALRKLGPQOTELFMPICATYLLIFVVGAVGNGLTCLVLRKAMRT 112
QY 76 PTNYILFSLAVSDLLVLLGMPLEVMWRYNYPFLPGVGCYFKTALPETVCFASILSIT 135
Db 113 PTNYILFSLAVSDLLVLLGMPLEVMWRYNYPFLPGVGCYFKTALPETVCFASILSIT 172
QY 136 TVSVRYVAILHFPRAKLQSTRRALRILGIWGVFSLFSLPNTSISHGKHFYFPGSLV 195
Db 173 ALSVERVAVVHPLQARSWTRAHVRVLGAVVGLAMLCSLNTSLHGIRQLHVPGRGPV 232
QY 196 PGSATCTVVKPMWYNIIFQVTSFLFYLLPMTVISVLYLMAIRV 240
Db 233 FDSAVCVLPAPRALYNWVQTALLFFCLPMAINSVLYLLIGLR 277

RESULT 13
US-09-804-551B-26
; Sequence 26, Application US/09804551B
; Patent No. US2002005615A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptors for peptides from insects
; FILE REFERENCE: Le A 34 394
; CURRENT APPLICATION NUMBER: US/09/804,551B
; CURRENT FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: DE 100 13 618.4
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; TYPE: PRT
; LENGTH: 419
; ORGANISM: Drosophila melanogaster
US-09-804-551B-26

Query Match      33.1%; Score 418; DB 9; Length 419;
Best Local Similarity 40.9%; Pred. No. 2.7e-33;
Matches 85; Conservative 49; Mismatches 62; Indels 12; Gaps 4;

QY 35 GPRRS--HFFLPVSVVYPIFVGVGNVLCVLQHQAMKTPTNYILFSLAVSDLLVL 92
Db 11 GPPRDLPLAIVPTVTVVSLIFITGVGNISTCIVIKKNSMHTATNYILFSLAISDFLL 70
QY 93 LLGMPLEVMWRYNYPFLPGVGCYFKTALPETVCFASILSITVSVRYVAILHFPRAK 152
Db 71 LSGVPQSVVSWKYPVVFGYICIGRGLLAETSANATVLTITAFVRYVIAICHPFLGQ 130
QY 153 LQSTRRALRILGIWGVFSLFSLPNTSISHGKHFYFPGSLVPGSATCTVVKPMWYNYF 212
Db 131 AMSKLSAIRIIVLWIMAVTAIPQAAQFGIE-HY-----SGVEQCQGIIVRVVKHSF 182
QY 213 IIQVTSFLFYLLPMTVISVLYLMAIRV 240
Db 183 --QLSTFIFFLAPMSIILVLLIGVHL 208

RESULT 15
US-10-314-076-17
; Sequence 17, Application US/10314076
; Publication No. US20030152977A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY34, AND VARIANTS 1
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: D0197NP
; CURRENT APPLICATION NUMBER: US/10/314,076
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: U.S. 60/338,371
; PRIOR FILING DATE: 2001-12-06
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-314-076-17

Query Match      27.9%; Score 352; DB 12; Length 595;
Best Local Similarity 37.9%; Pred. No. 1.6e-26;
Matches 75; Conservative 43; Mismatches 66; Indels 14; Gaps 5;

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OM protein - protein search, using sw model

Run on: February 13, 2004, 19:34:03 ; Search time 44 Seconds
(without alignments)
232.710 Million cell updates/sec

Title: US-09-684-725-2
Perfect score: 1263
Sequence: 1 MEKLNQASWYQKLEDPFQ.....LLPMTVISVLYLMALRVSI 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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4: /cgm2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgm2_6/ptodata/2/iaa/PCTUS COMB.pep.*
6: /cgm2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1252	99.1	415	4	US-09-545-944-2
2	680.5	53.9	403	4	US-09-170-496D-114
3	680.5	53.9	403	4	US-09-170-496D-224
4	304	24.1	353	1	US-08-118-270-45
5	304	24.1	353	5	PCT-US93-08528-45
6	281	22.2	416	3	US-08-858-876A-4
7	281	22.2	416	3	US-09-472-880-4
8	277	21.9	289	3	US-09-077-675A-10
9	277	21.9	289	4	US-09-077-674-10
10	277	21.9	361	3	US-09-077-675A-8
11	277	21.9	361	4	US-09-077-674-8
12	277	21.9	366	3	US-09-077-675A-13
13	277	21.9	366	4	US-09-077-674-13
14	277	21.9	366	4	US-09-077-675A-88
15	277	21.9	366	4	US-09-170-496D-88
16	274	21.7	353	3	US-09-077-675A-3
17	274	21.7	353	4	US-09-077-674-3
18	274	21.7	364	3	US-09-077-675A-16
19	274	21.7	364	4	US-09-077-674-16
20	273	21.6	289	3	US-09-077-675A-5
21	273	21.6	289	4	US-09-077-674-5
22	265	21.0	393	1	US-07-629-1041-3
23	262.5	20.8	259	4	US-09-261-599B-3
24	262.5	20.8	259	4	US-09-456-455A-3
25	259	20.5	398	2	US-08-288-663A-1
26	258	20.4	410	3	US-08-858-876A-2
27	258	20.4	410	3	US-09-472-880-2

ALIGNMENTS

RESULT 1

US-09-545-944-2 400 4 US-09-351-198-2 Sequence 2, Appli
; Sequence 2, Application US/09545944 Sequence 2, Appli
; Patent No. 6461836 Sequence 20, Appli
; GENERAL INFORMATION: Sequence 2, Appli
; APPLICANT: AMES, ROBERT Sequence 25, Appli
; APPLICANT: ELSHOURBAGY, NABIL Sequence 26, Appli
; APPLICANT: MICHALOVICH, DAVID Sequence 19, Appli
; APPLICANT: SARAU, HENRY Sequence 29, Appli
; APPLICANT: SHABON, USMAN Sequence 20, Appli
; APPLICANT: SHABON, USMAN Sequence 17, Appli
; APPLICANT: VAWTER, LISA Sequence 27, Appli
; TITLE OF INVENTION: MOLECULAR CLONING OF A 7TM RECEPTOR Sequence 28, Appli
; FILE REFERENCE: GP70657-1 Sequence 8, Appli
; CURRENT APPLICATION NUMBER: US/09/545,944 Sequence 8, Appli
; CURRENT FILING DATE: 2000-04-10 Sequence 6, Appli
; PRIOR APPLICATION NUMBER: US 09/435,384 Sequence 6, Appli
; PRIOR FILING DATE: 1999-11-05 Sequence 16, Appli
; NUMBER OF SEQ ID NOS: 5 Sequence 6, Appli
; SOFTWARE: FastSeq for Windows Version 3.0 Sequence 16, Appli
; SEQ ID NO 2 Sequence 6, Appli
; LENGTH: 415
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-545-944-2

Query Match 99.1%; Score 1252; DB 4; Length 415;
Best Local Similarity 99.6%; Pred. No. 3.8e-107; Indels 0; Gaps 0;
Matches 239; Conservative 1; Mismatches 0;

QY	1	MEKLNQASWYQKLEDPFQKLNSTEEYLAFLCGPRSHHFLPVSVVVPIFVVGVIGN	60
DB	4	MEKLNQASWYQKLEDPFQKLNSTEEYLAFLCGPRSHHFLPVSVVVPIFVVGVIGN	63
QY	61	VLVCLVILQHQAMKPTNTYLFSLAVSDLLVLLGMPLVEMWNNYPLFGPVGCYFKT	120
DB	64	VLVCLVILQHQAMKPTNTYLFSLAVSDLLVLLGMPLVEMWNNYPLFGPVGCYFKT	123
QY	121	ALPFTVCFASIIITVSVERVAILHHPRAKQSTRRAALRILGVWGFSVLSLPNTS	180
DB	124	ALPFTVCFASIIITVSVERVAILHHPRAKQSTRRAALRILGVWGFSVLSLPNTS	183
QY	181	IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV	240
DB	184	IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV	243

RESULT 2

US-09-170-496D-114
; Sequence 114, Application US/09170496D

Patent No. 655339
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 655339-Endogenous, Constitutively Activated Human G Protein-
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-114

Query Match 53.9%; Score 680.5; DB 4; Length 403;
Best Local Similarity 56.0%; Pred. No. 8.8e-55;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPFOKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGIGVNLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHAKMT 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEMWRYNYPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEMWRYNYPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRALRILGIWGVFSLPNTSIHGKIFHYFNGSLV 195
DB 131 ALSVERYAVVHPQLQARSMTVAHVRVILGAVWGLMCLSLPNTSLHGIRQLHVPICRGPV 190

QY 196 PGSATCTVIKPMWYINFIQVTSFLFYLLPMTVSVLYLMLRV 240
DB 191 PDSAVCLMVRPRALYNNVQTTALLFFCLPMAIMSVLYLLGLRL 235

RESULT 3
US-09-170-496D-224
Sequence 224, Application US/09170496D
Patent No. 655339
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 655339-Endogenous, Constitutively Activated Human G Protein-
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 224
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-224

Query Match 53.9%; Score 680.5; DB 4; Length 403;
Best Local Similarity 56.0%; Pred. No. 8.8e-55;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPFOKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGIGVNLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHAKMT 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEMWRYNYPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEMWRYNYPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRALRILGIWGVFSLPNTSIHGKIFHYFNGSLV 195

DB 131 ALSVERYAVVHPQLQARSMTVAHVRVILGAVWGLMCLSLPNTSLHGIRQLHVPICRGPV 190
QY 196 PGSATCTVIKPMWYINFIQVTSFLFYLLPMTVSVLYLMLRV 240
DB 191 PDSAVCLMVRPRALYNNVQTTALLFFCLPMAIMSVLYLLGLRL 235

RESULT 4
US-08-118-270-45
Sequence 45, Application US/08118270
Patent No. 5508384
GENERAL INFORMATION:
APPLICANT: Murphy, Randall B.
APPLICANT: Schuster, David I.
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
NUMBER OF SEQUENCES: 348
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,270
FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Townsend, Kevin G.
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MURPHY=2A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-118-270-45

Query Match 24.1%; Score 304; DB 1; Length 353;
Best Local Similarity 33.3%; Pred. No. 2.5e-20;
Matches 68; Conservative 49; Mismatches 73; Indels 14; Gaps 5;

QY 45 VSVVYPIFVVGIGVNLVCLVILQHQ--QAMKTPNYLFLSLAVSDLLVLLGLMPLV 101
DB 4 VTAIYALFVVGTVGNSVTAFTLARKKSLSQSLQSTVHYELSLAUSDLLILLW---VELY 60

QY 102 EMWRNYPFLPGVGC--YFKTALFETVCFASILSITTVSVERYVAILHPFRALQSTR 158
DB 61 NFWHHPAFGDAGCGYF--LRDACYATALNVAISLVERYLAICHPPAKTILMSRS 117

QY 159 RALRILGIWGVFSLPNTSIHGKIFHYFNGSLVPGSATCTVIKPMWYINFIQVTS 218
DB 118 RTKKFISAIWLASALLAIPMLFTLQNR--SGDGHPPGGLVCTPIVDATVAVVQVNT 175

QY 219 FLFYLLPMTVSVLYLMLRVSI 242
DB 176 FMSFLPMLVISLNTVIANKLTV 199

```

; APPLICANT: Vita NATALIO
; TITLE OF INVENTION: Type 2 Neurotensin Receptor
; TYPE OF INVENTION: (hNT-R2)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
; STREET: 400 Seventh Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,876A
; FILING DATE: 19-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 9723204
; FILING DATE: 17-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William B.
; REGISTRATION NUMBER: 31,049
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 416 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-858-876A-4

Query Match                22.2%; Score 281; DB 3; Length 416;
Best Local Similarity      35.38; Pred No. 3.8e-18;
Matches                    72; Conservative 40; Mismatches 78; Indels 14; Gaps 6;

Qy   46 SVVYVPVFVVGVGIVNVLICLVILQHQAOKT--PTNYLFLSLAVSDLLVLLGLMPLVEYE-M 103
Db   36 TALYSLFIFAGTAGNALSVHVLKARAGRPGRLRYHLSALSALLLLVSMPELYNFV 95

Qy   104 WRNPFFLFGPVGC---YFKTALPETVCFAISLTITTSVERYYVALHPFRAKLQSTERRA 160
Db   96 WSHYPWVFDGLGRGYFF---VRELCAATVTVLSASLSABERCLAVCOFLRARRLLTPRT 152

Qy   161 LRLIGIYWGSGVLSFLPNTSHTGIKFHY-FPNGSLVPGSATCTVIKPMWIYNFIQVTSF 219
Db   153 RRLSLVWVASLGIALPNVIMQGKEVSADGEPEPASRVCTVIVSRATLVQVFIQNVL 212

Qy   220 LFYLLPMTVISVL-----YYIMAL 238
Db   213 VSPALPALTAFLNGITVINHLMAL 236

RESULT 7
US-09-472-880-4
; Sequence 4, Application US/09472880
; Patent No. 6274333
; GENERAL INFORMATION:
; APPLICANT: Daniel CAPUT
;             Pascale CHALON
;             Pascual FERRARA
;             Vita NATALIO
; TITLE OF INVENTION: Type 2 Neurotensin Receptor
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
; STREET: 400 Seventh Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

```


Query Match	21.9%; Score 277; DB 4; Length 289;
Best Local Similarity	31.7%; Pred. No. 5.9e-18;
Matches	66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY	45 VSVVVPFVGVGVGNVLVCLVILHQAQKPTNYVLFSLAVSDLLVLLGMPLEVMW 104
DB	46 VTATCVAFVWGIAGNLLTMLVSVRFRELTNTNLYLSSMAFSDLLIFLC-MPLDLVRLW 104
QY	105 RNYVFLFGVGVCFKTFALFETVCFASILSITTVSVRYVAILHPFRKLOSTRRLRL 164
DB	105 QYRPNFGDLLCKLFQVSESCYATVITLITLSVRYFAICFPLRAKVVTGKRVKVI 164
QY	165 GIWVGFSVFLSPLNTSIHGKIFHYFPNGS-----LVPGSATCTVIKPMIYNF 212
DB	165 FVIVAVAFCSAGPIFVLGVGHE---NGTDPWDTNECRPTFAVRSGLLTVM--VWV--- 216
QY	213 IIQVTSFLYLLPMVTIVSVLYLMAIRV 240
DB	217 -----SSIFFFLPVFCLTVLYSLIGRKL 239
RESULT 10	
US-09-077-675A-8	
Sequence 8, Application US/09077675A	
Patent No. 6242199	
GENERAL INFORMATION:	
APPLICANT: Pai, Lee-Yuh	
APPLICANT: Feighner, Scott C.	
APPLICANT: Howard, Andrew D.	
APPLICANT: Pong, Sheng-Shung	
APPLICANT: Van Der Ploeg, Leonardus H.T.	
TITLE OF INVENTION: RECEPTOR ASSAY	
NUMBER OF SEQUENCES: 16	
CORRESPONDENCE ADDRESS:	
ADDRESSEE: Merck & Co., Inc.	
STREET: P.O. Box 2000, 126 E. Lincoln Ave.	
CITY: Rahway	
STATE: NJ	
COUNTRY: USA	
ZIP: 07065-0900	
COMPUTER READABLE FORM:	
MEDIUM TYPE: Diskette	
COMPUTER: IBM Compatible	
OPERATING SYSTEM: DOS	
SOFTWARE: FastSeq for Windows Version 2.0	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US/09/077,675A	
FILING DATE: 3-JUN-1998	
CLASSIFICATION:	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	
FILING DATE:	
ATTORNEY/AGENT INFORMATION:	
NAME: Cocuzzo, Anna L.	
REGISTRATION NUMBER: 42,452	
REFERENCE/DOCKET NUMBER: 19589P	

TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 361 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-674-8

Query Match 21.98; Score 277; DB 4; Length 361;
Best Local Similarity 31.7%; Pred. No. 7.5e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVVPFVVGIVGNVLCVILQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEYMW 104
DB 41 VTATCVAFVVGAGNLLTMLVSRFRELTTNLYLSSWAFSDLLIFLC-MPLDLVRLW 99
QY 105 RNVFPLFGPGVCYKTKALFTVCPASILSTTVSVRYVAILHPFRAKLOSTRRLRIL 164
DB 100 QYRPWNGDLLCKLFQVSESTVATLTITALSVERYFAICFPLRAKVVVTKGRVKLVI 159
QY 165 GIWGFVSLPNTSHGKHFYPNGS-----LVPGSATCTVIKPMWYNF 212
DB 160 FVIWAVAFCSAGPIFVLGVGEH-----NGTDPWDTNECRPTFAVRSGLLTVM--VWV--- 211
QY 213 IIQVTSFLFLLPMTVISVLYLMAKRV 240
DB 212 -----SSIFFPLPVCLTVLSLIGRKL 234

RESULT 12
US-09-077-675A-13
Sequence 13, Application US/09077675A
Patent No. 6242199
GENERAL INFORMATION:
APPLICANT: Pai, Lee-Yuh
APPLICANT: Feighner, Scott C.
APPLICANT: Howard, Andrew D.
APPLICANT: Peng, Sheng-Shung
APPLICANT: Van Der Ploeg, Leonardus H.T.
TITLE OF INVENTION: RECEPTOR ASSAY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077.675A
FILING DATE: 3-JUN-1998
CLASSIFICATION:
PRIOR APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 366 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-675A-13
Query Match 21.98; Score 277; DB 3; Length 366;
Best Local Similarity 31.7%; Pred. No. 7.5e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVVPFVVGIVGNVLCVILQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEYMW 104
DB 46 VTATCVAFVVGAGNLLTMLVSRFRELTTNLYLSSWAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNVFPLFGPGVCYKTKALFTVCPASILSTTVSVRYVAILHPFRAKLOSTRRLRIL 164
DB 105 QYRPWNGDLLCKLFQVSESTVATLTITALSVERYFAICFPLRAKVVVTKGRVKLVI 164
QY 165 GIWGFVSLPNTSHGKHFYPNGS-----LVPGSATCTVIKPMWYNF 212
DB 165 FVIWAVAFCSAGPIFVLGVGEH-----NGTDPWDTNECRPTFAVRSGLLTVM--VWV--- 216
QY 213 IIQVTSFLFLLPMTVISVLYLMAKRV 240
DB 217 -----SSIFFPLPVCLTVLSLIGRKL 239

RESULT 13
US-09-077-674-13
Sequence 13, Application US/09077674
Patent No. 6531314
GENERAL INFORMATION:
APPLICANT: Arena, Joseph P.
APPLICANT: Cully, Doris F.
APPLICANT: Feighner, Scott D.
APPLICANT: Howard, Andrew D.
APPLICANT: Liberator, Paul A.
APPLICANT: Schaeffer, James M.
APPLICANT: Van Der Ploeg, Leonardus
TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077.674
FILING DATE: 3-JUN-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19589P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:

LENGTH: 366 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-674-13

Query Match 21.9%; Score 277; DB 4; Length 366;
Best Local Similarity 31.7%; Pred. No. 7.6e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVYPIFVVGIVGNVLVCLVILQHQAMKPTNYLFSLAVSDLLVLLGMPLEVYEMW 104
Db VTATCVAFVVGAGNLLTMLVWSRFRELTTNLYLSSNAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNYPLFGPVGCYFKTALFETVCFASILSITVSVRYVAILHPFRAKLOSTRRALRL 164
Db 105 QYRPNFGDLLCKLFQFVSECTVATLITALSVERYFAICFPLRAKVVVTKGRVKLVI 164
QY 165 GIVMGFVSLPNTSIHGKIFHPFNGS-----LVPGSATCTVIKPMWYNF 212
Db 165 FVIWAVAFCSAGPIFVLGVGEHE---NGTDPWDNECRPTFAVRSGLLTVM--VWV--- 216
QY 213 IIQVTSFLFLLPMTVISVLYLMAALRV 240
Db 217 -----SSIFFFLPVFCLVLYSLIGRKL 239

RESULT 14

US-09-170-496D-88
; Sequence 88, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 88
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-88

Query Match 21.9%; Score 277; DB 4; Length 366;
Best Local Similarity 31.7%; Pred. No. 7.6e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVYPIFVVGIVGNVLVCLVILQHQAMKPTNYLFSLAVSDLLVLLGMPLEVYEMW 104
Db 46 VTATCVAFVVGAGNLLTMLVWSRFRELTTNLYLSSNAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNYPLFGPVGCYFKTALFETVCFASILSITVSVRYVAILHPFRAKLOSTRRALRL 164
Db 105 QYRPNFGDLLCKLFQFVSECTVATLITALSVERYFAICFPLRAKVVVTKGRVKLVI 164
QY 165 GIVMGFVSLPNTSIHGKIFHPFNGS-----LVPGSATCTVIKPMWYNF 212
Db 165 FVIWAVAFCSAGPIFVLGVGEHE---NGTDPWDNECRPTFAVRSGLLTVM--VWV--- 216
QY 213 IIQVTSFLFLLPMTVISVLYLMAALRV 240
Db 217 -----SSIFFFLPVFCLVLYSLIGRKL 239

RESULT 15

US-09-170-496D-210
; Sequence 210, Application US/09170496D

; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 210
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-210

Query Match 21.9%; Score 277; DB 4; Length 366;
Best Local Similarity 31.7%; Pred. No. 7.6e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVYPIFVVGIVGNVLVCLVILQHQAMKPTNYLFSLAVSDLLVLLGMPLEVYEMW 104
Db 46 VTATCVAFVVGAGNLLTMLVWSRFRELTTNLYLSSNAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNYPLFGPVGCYFKTALFETVCFASILSITVSVRYVAILHPFRAKLOSTRRALRL 164
Db 105 QYRPNFGDLLCKLFQFVSECTVATLITALSVERYFAICFPLRAKVVVTKGRVKLVI 164
QY 165 GIVMGFVSLPNTSIHGKIFHPFNGS-----LVPGSATCTVIKPMWYNF 212
Db 165 FVIWAVAFCSAGPIFVLGVGEHE---NGTDPWDNECRPTFAVRSGLLTVM--VWV--- 216
QY 213 IIQVTSFLFLLPMTVISVLYLMAALRV 240
Db 217 -----SSIFFFLPVFCLVLYSLIGRKL 239

Search completed: February 13, 2004, 13:39:29
Job time : 46 secs